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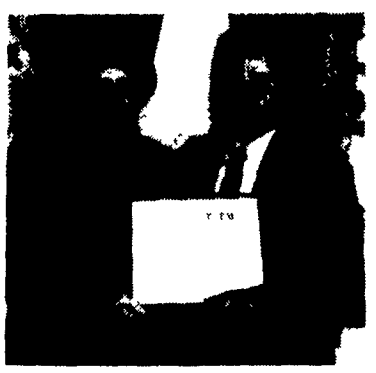
Ag

Lancaster Farming

VOL. 29 No. 4 | Four Sections | Lancaster Farming, Saturday, November 26, 1983 | $7.50 per Year

Charles and Labertha Tindall
R1 Peach Bottom

Clarence and Grace Shearer
R1 Washington Boro



Paul and Emma Krantz
R1 Strasburg

Clayton and Dorothy Charles
R2 Lancaster

Century honors to 4 farms

BY TRISH WILLIAMS

STRASBURG — Behind every successful farmer is a set of dependable agribusinessmen, agricultural Extension agents, and farm organizations. And beyond the end of farm lane are a large number of non-farm workers employed by food processors, marketers and distributors.

These messages were heard Tuesday evening by members of Lancaster's County agricultural community at the Seventh Annual Agricultural-Industry Banquet, sponsored by the Lancaster Chamber of Commerce and Industry's Agriculture Committee.

Farmers, agribusinessmen, Extension agents, and bankers, sat down to what seemed like an early Thanksgiving feast. The occassion was a celebration of a successful alliance of these various segments that has enabled the Lancaster farming community to lead the state, and even the nation in agricultural production.

These noteworthy facts and figures were presented by Debra Martin, accomplished 4-H member and Dick Blouse, Jr., president of the Lancaster Chamber.

The highlight of the evening was the honoring of four farm families that have been part of Lancaster's rich farming heritage for more than 100 years. These four families were presented the highly cherished Century Farm Award. Only 818 farms in Pennsylvania, and 74 farms in Lancaster County have been presented this prestigous award for the continuation of the family farming tradition for more than one century on the same farm.

Those Century Farm families honored Tuesday evening were:

- J. Clayton and Dorothy B. Charles, RD 2, Lancaster, whose farm has been in the family since 1774.

- Charles C. and Labertha Tindall, Jr., RD 1 Peach Bottom, whose farm has been in the family since 1882.

- Clarence and Grace Shearer, RD 1, Washington Boro, whose farm has been in the family since 1882.

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Big Avian effort set this weekend

LANCASTER — With the Avian influenza quarantine now imposed in parts of two states and permit enforcement regulations being enforced in nine states, the federal task force moved into an all-out eradication effort this weekend.

Confirmation of the highly pathogenic strain in a laying flock in Willow Grove, Salem County, N.J. prompted officials to establish a quarantine zone in parts of Salem, Cumberland, Gloucester and Atlantic counties in New Jersey. The flock of 31,000 layers there has been destroyed.

Also during the past week the quarantine zone in Pennsylvania was expanded further west and south to cover 2800 square miles in all of Lancaster and parts of six adjacent counties.

In the depopulation effort, 36 flocks numbering some two million birds had been destroyed by Friday morning.

Permit enforcement regulations to move poultry products out of the quarantined zones -- now established in parts of Pennsylvania and New Jersey – will be enforced actively in nine states up and down the East Coast – including Maryland, New Jersey, West Virginia, New York, Virginia, Connecticut, Massachusetts, Maine and, of course, Pennsylvania.

In related agribusiness repercussions from the outbreak, Victor F. Weaver, Inc., New Holland, will begin the temporary layoff of some 200 production and related personnel. The company said the layoff is caused by a drop in the supply of broilers to the firm due to the flu.

Also, during the past week attention had been focused on a flock in the Danville area of Montour County – a good distance north of

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Pa. gets 1st FmHA loan okays

HARRISBURG — Pennsylvania farmers have received the first approvals of drought emergency loans from the USDA's Farmers Home Administration.

The State FmHA Office in Harrisburg reports that about a half-dozen loan approvals have been received back for farmers who made early application under the drought emergency program.

Seventeen south-central and south-eastern counties were declared drought disaster areas about a month ago, making farmers eligible to apply for the low-interest loans. Three or four counties have since been added and a couple are still pending.

While no statewide figures are available yet in Harrisburg, state FmHA officials report that loan application activity is continuing at all eligible county offices, but the handful of approvals are the first to have been processed completely through approval.

The state office expects that the emergency loan activity will pick up significantly in the new year once farmers have had a chance to determine their exact losses following harvest.

To be eligible, farmers must show at least a 30 percent loss from a normal year's production. Then, they are eligible to borrow up to 80 percent of actual loss up to a maximum of $500,000.

There is also an allowance for any reimbursable income, such as crop insurance or PIK monies.

Borrowers unable to get loans through regular lending channels are charged an interest rate of five percent on the first $100,000 and eight percent on the remainder.

Although the deadline for applications is April 11, 1984, farmers have been urged to make application as soon as they can to avoid approval delays.

USDA Sec. John Block emphasizes that farmers would not be adversely affected if portions of the disaster loan program are changed.

"I want those farmers who file early to be assured that if any changes should be made in the authorizing legislation, we will support such changes being made retroactive to the time the disaster designations were made," Block said.

Drought cuts Pa. alfalfa yields

UNIVERSITY PARK — The 1983 Pennsylvania Alfalfa Growers competition has confirmed what a lot of farmers already knew – the drought cut significantly into yields this year.

This year's Grand Champion Alfalfa Grower, crowned Monday at the Forage and Seed Conference at Penn State, is Donald Hoffer, of Lebanon County.

His yield totals included 9.2 tons per acre of hay equivalent, with 3,328 lbs. per acre of crude protein and more than 9,500 lbs. of total digestible nutrients.

These figures are significantly lower than last year's champion, J. Allen Baker, of Bedford County, who had 10.1 tons per acre, 4,014 lbs. of crude protein and 11,149 lbs. of TDN.

In other activities at the conference:

—1983 Outstanding Forage Spokesman honors went to Richard Burd, Fayette County dairyman.

—Kenneth T. Leath, forage pathologist at the USDA Pasture Research Lab at Penn State, was honored.

—The Pennsylvania Forage and Grassland Council elected new officers and directors. New president is I. Hershey Bare, of Lebanon County.

Hoffer's winning alfalfa crop was a 1982 pure stand of DK 130 planted on Hagerstown-Duffield soil. He took off four cuttings, the first on June 1 for silage and the remainder on July 7, Aug. 15 and Sept. 29 for hay.

He attributed much of his winning yield to fertilization with large amounts of manure particularly during the corn phase of the crop rotation.

Reserve champion this year is the Milton Hershey School with 8.3 tons of hay equivalent per acre, with 3,139 lbs. of crude protein and nearly 9,100 lbs. of TDN despite moisture shortages in July and August. The Hershey stand of WL 313 was seeded in August, 1981, on Hagerstown silt loam soil and fertilized according to soil test.

Tied for third in the competition were Donald Bollinger, Willow Maple Farm, Lebanon County, and Leonard Stoltzfus, Berks County. Their hay equivalent yields were 8 tons per acre on well-fertilized Duffield soils.

Fifth place went to Centre County dairyman Joe Hartle Jr., who was last year's Outstanding Forage Spokesman.

Honorable mentions went to Larry Barron, Luzerne County; George McMath, Huntingdon County; Donald Hershey, Nelson Winger and Christian Smucker, all of Lancaster County.

This year's outstanding forage spokesman competed with three other dairymen for the honors. Each had to describe their forage programs and address the conference on the "importance of forage to me and Pennsylvania agriculture."

Reserve champion for 1983 is Henry Shellenberger, of Mt. Joy, Lancaster County. Honorable

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Livestock market and auction news

Lancaster Market

Monday, Nov. 21
Report Supplied By USDA

	Cattle	Calves	Hogs	Sheep
Today	794	105	828	313
Last Monday	1044	172	1224	612
Last Year	664	138	665	270
Monday's Auction	855	111	817	339
Last Monday's Auction	1046	229	1102	608

CATTLE: Compared to last Monday slaughter steers fully 2.00 higher; heifers 1.00-2.00 higher; cows steady, instances 1.00 lower on Canner and low Cutter; bullocks fully steady, few sales 2.00 higher; yield grade 1 bulls firm, yield grade 2 weak to 1.00 lower. Supply included 43% steers, 17% heifers, 26% cows, and 14% bulls.

SLAUGHTER STEERS: Couple lots mixed Choice and Prime 4-5 1200-1425 lb. 65.00-65.50; Good and Choice 1-2 1250-1425 lb. 65.00-66.00; Choice 2-4 1025-1350 lb. 63.00-65.10, few head 62.50-63.00; high Good and low Choice 2-3 1000-1325 lb. 59.00-62.75; Good 2-3 57.75-59.75; mixed Good and Choice 1090-1350 lb. Holsteins 51.25-55.10, few head Choice 56.50-58.60, Good 1250-1450 lb. 47.75-49.25, Standard 42.50-48.00.

SLAUGHTER HEIFERS: Choice 2-3 875-1125 lb. 58.75-60.75, few yield grade 2 61.00-62.00; Good 2-3 850-1100 lb. 55.00-58.00.

COWS: Breaking Utility and Commercial 2-4 37.50-40.00, several 40.25-41.75; Cutter and Boning Utility 1-3 35.50-38.75, few 39.00-40.50; Canner and low Cutter 31.00-34.25, couple 34.25-35.00.

BULLOCKS: Choice 1000-1450 lb. 57.25-60.75, three head 64.25-64.75; Good 1000-1300 lb. 53.00-56.75.

BULLS: Yield grade 1 1500-2200 lb. 48.75-51.75, few 52.00-53.25; yield grade 2 1000-1600 lb. 44.00-47.50, several 850-1100 lb. 42.25-44.00.

VEAL CALVES: Vealers steady to 5.00 lower; slaughter calves mostly 5.00 lower. Demand fair for Holstein bulls to return to farm.

VEALERS: Choice 160-250 lb. 80.00-100.00, few 100.00-105.00; high Good and low Choice 160-300 lb. 70.00-80.00, 120-160 lb. 50.00-70.00, 90-115 lb. 36.00-52.00, 70-90 lb. 35.00-45.00.

SLAUGHTER CALVES: Good and Choice 250-400 lb. 40.00-55.00, few 225-300 lb. 55.00-60.00.

RETURNED TO FARM: Bulk 100-120 lb. Holstein bulls 65.00-80.00; several 85-100 lb. 55.00-65.00.

SHEEP: Wooled lambs firm to 2.00 higher; slaughter ewes firm to 2.00 higher. Supply included around 150 goats, sold by the head.

WOOLED LAMBS: Choice and Prime 95-110 lb. 55.00-58.00; Choice 85-110 lb. 50.00-55.00; Good 50-90 lb. 45.00-50.00.

SLAUGHTER EWES: Utility and Good 15.00-25.00.

GOATS: All goats sold by the head, mainly 30.00-45.00, few big billies 45.00-55.00, few kid goats 20.00-30.00.

Vintage Auction

Tuesday, Nov. 22
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	840	977	17	6
Last Tuesday	725	893	9	5
Last Year	841	1173	19	8

CATTLE: Compared to last Tuesday slaughter steers 2.00-2.50 higher; some late sales Good to average Choice only 1.00 higher; slaughter heifers 50-1.00 higher; cows mostly steady; bulls and bullocks not fully tested. Supply included 42 percent slaughter steers and 49 percent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1200-1425 lb. 65.85-67.75, 10 head 68.00-69.35; Good and Choice 1-2 1150-1350 lb. 65.75-67.50, couple 68.75-69.35; Choice 2-4 1050-1375 lb. 64.00-66.00, few early 66.00-67.10, few late sales 63.00-64.00; high Good and low Choice 2-3 61.50-63.50; Good 2-3 59.50-61.25; Good and Choice 1150-1400 lb. Holsteins 53.00-55.50, couple 56.00-58.00; Standard 47.75-50.00.

SLAUGHTER HEIFERS: Choice 2-3 845-1065 lb. 59.00-61.25, couple yield grade 2 62.00-62.75.

COWS: Breaking Utility and Commercial 2-4 38.00-41.50, few 41.50-42.50; Cutter and Boning Utility 1-3 35.25-39.50, few 40.00-41.00, couple 41.50-42.00; Canner and low Cutter 32.00-35.00.

VEAL CALVES: Vealers 5.00-8.00 higher. Supply included 616 in graded sale of which 65 percent sold to return to farm.

VEALERS: Choice 150-250 lb. 88.00-94.00, four head 103.00-108.00; high Good and low Choice 160-250 lb. 66.00-80.00, 120-160 lb. 49.00-70.00, 90-115 lb. 44.00-54.00, 60-90 lb. 36.00-44.00.

RETURNED TO FARM: 32 head 100-125 lb. Holstein heifers 72.00-74.00; 25 head 90-105 lb. 48.00-55.00. 35 head 120-125 lb. Holstein bulls 80.00-80.50; 200 head 100-115 lb. 81.50-82.50; 40 head 90-95 lb. 70.00-70.50; 20 head small frame 110-125 lb. 67.00-72.00, 65 head 100-105 lb. 49.00-49.50.

SHEEP: Insufficient volume for a market test. Couple Good 60-80 lb. wooled lambs 43.00. Utility and Good slaughter ewes 6.00-15.00.

GOATS: All goats sold by the head, four 21.00-28.00, couple 36.00-40.00.

Lancaster Auction

Wednesday, Nov. 23
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	464	20	386	0
Last Wednesday	544	21	812	16
Last Year	212	25	318	6
Wednesday's Auction	271	20	353	0
Last Wednesday's Auction	250	20	682	13

CATTLE: Compared to Monday small supply slaughter steers mostly steady; slaughter heifers not tested; cows fully steady, instances 1.00 higher; bullocks not tested; yield grade 1 bulls scarce, yield grade 2 steady to weak. Supply included 39 percent slaughter steers and 44 percent cows.

SLAUGHTER STEERS: Choice 2-4 1100-1375 lb. 62.35-64.60; high Good and low Choice 2-3 1050-1325 lb. 61.00-62.10; few Good 2-3 59.00-61.00; Good and Choice 1190-1250 lb. Holsteins 49.50-52.75.

COWS: Breaking Utility and Commercial 2-4 37.75-41.50, few 42.00-42.75; Cutter and Boning Utility 1-3 37.00-39.50, few 40.00-41.50; Canner and low Cutter 32.00-35.00; Good and Choice 900-1200 lb. Heiferettes 41.00-45.75.

BULLS: Yield grade 2 1100-1550 lb. 42.00-45.75; couple yield grade 1 1285-1660 lb. 48.25-50.00.

VEAL CALVES: Insufficient volume for a market test. Few high Good and low Choice 80-115 lb. 38.00-52.00.

SHEEP: No test.

Late-week markets not covered due to Thursday holiday

Lancaster Co. Weekly

Wednesday, November 23
Report supplied by USDA

	Cattle	Calves
This Week	2400	1125
Last Week	4438	1716
Last Year	3984	1336

CATTLE: Slaughter Steers 1.00-2.00 higher, extremes 3.00 higher; slaughter heifers 1.00-2.00 higher; cows closing 1.00-2.00 higher; bullocks fully steady, instances 2.00 higher; yield grade 1 bulls steady, yield grade 2 weak to 1.00 lower. Supply included 35% slaughter steers, 8% slaughter heifers, 31% cows, 7% bulls; balance mainly feeders.

SLAUGHTER STEERS: High Choice and Prime 3-4 1200-1425 lbs. 65.85-67.75, 10 head 68.00-69.35, part load 4-5 1200-1425 lbs. 65.00-65.50; Good and Choice 1-2 1100-1425 lbs. 65.00-67.50, couple 68.00-69.35; Choice 2-4 1025-1425 lb. 62.50-66.00, bulk 63.50-65.50, few extremes 66.00-67.10; high Good and low Choice 2-3 1000-1325 lbs. 59.00-63.50; Good 2-3 58.00-61.25; Good and Choice 1090-1400 lb. Holsteins 49.25-55.50, few Choice 56.00-58.00, Standard 45.00-49.00.

SLAUGHTER HEIFERS: Choice 2-3 845-1125 lb. 58.75-61.25, few yield grade 2 61.50-62.75; Good 2-3 850-1100 lbs. 55.00-58.00; Good and Choice 900-1200 lb. Heiferettes 41.00-45.75.

COWS: Breaking Utility and Commercial 2-4 37.50-41.50, few 41.50-42.50; Cutter and Boning Utility 1-3 35.25-39.50, few 40.00-41.50; Canner and low Cutter 31.00-35.00.

BULLOCKS: Choice 1000-1450 lb. 57.25-60.75, three head 64.25-64.75; Good 1000-1300 lb. 53.00-56.75.

BULLS: Yield grade 1 1500-2200 lb. 48.75-51.75, few 52.00-53.25, yield grade 2 1000-1600 lbs. 44.00-47.50, several 850-1100 lbs. 42.00-44.00.

VEAL CALVES: Vealers firm to 5.00 higher; slaughter calves weak to moslty 5.00 lower. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Choice 150-350 lb. 85.00-100.00, few 100.00-108.00; high Good and low Choice 160-300 lb. 66.00-80.00, 120-160 lbs. 49.00-70.00, 90-115 lb. 44.00-54.00, 60-90 lb. 35.00-45.00.

SLAUGHTER CALVES: Good and Choice 250-400 lb. 40.00-55.00, few 225-300 lb. 55.00-60.00.

RETURNED TO FARM: Few 100-125 lb. Holstein heifers 72.00-74.00; few 90-105 lb. 48.00-55.00. Bulk 100-125 lb. Holstein bulls 75.00-82.50; few 90-95 lb. 65.00-71.00; few small frame 100-125 lb. 49.00-72.00.

Omaha Cattle

Wednesday, November 23

Compared with last week's close, slaughter steers and heifers ended this week 50 to fully 1.00 higher. Cows firm-1.00 higher. Bulls steady. Demand continued good through the holiday shortened week, with most buying interests filling near term slaughter needs. Further strength entered the market at midsession when dressed beef prices advanced.

Steers comprised 52 pct of the week's receipts; heifers 39 pct; cows 6 pct; feeders 2 pct. Three day receipts (Holiday week) 9730; last week 10420; year ago 9119.

STEERS: At Tuesday's last volume test, choice 2-4 1050-1350 lbs. 59.50-60.50, LD 60.65, five loads 1200-1300 lbs. 61.00. Few lots with increased percentage, yield grade 4 59.00-59.50. Mixed good and choice 2-3 1050-1150 lbs. 57.50-59.50. Few good 56.50-57.50.

HEIFERS: Choice 2-4 950-1075 lbs. 58.00-59.00, load 59.25, two part loads 59.50-60.00. Choice 2-3 900-950 lbs. 57.00-58.00. Mixed good and choice 2-3 900-1025 lbs. 56.00-57.50. Good 54.00-56.00.

Average of LS-214 detailed quotations for 900-1100 lb. choice steers 59.50, 1100-1300 lbs. 60.00. Average cost steers 59.58; average weight 1164 lbs.; as compared 58.36 and 1155 lbs. a week ago. Average cost heifers 58.03, average weight 1033 lbs.; as compared 57.16 and 1014 lbs. a week ago.

COWS: Breaking utility and commercial 2-3 34.00-35.00, few to 36.00. Cutter and boning utility 1-3 32.50-35.00. Canner and low cutter 30.00-32.50.

BULLS: 1-2 1100-1800 lbs. 40.00-45.00.

Open 24 hours a day
365 days a year
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AUCTIONS
MONDAY
9:00 A.M.— Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M.— Veal Calves, Lambs, Hogs
TUESDAY
10:00 A.M.— Slaughter Hogs
1:00 P.M.— Feeder Pigs
WEDNESDAY
10:00 A.M.— Slaughter Bulls, Heifers, Steers, Cows
11:00 AM.— Veal Calves, Lambs, Hogs
FRIDAY
11:00 A.M.— Stocker and Feeder Cattle
SATURDAY
9:30 A.M.—Slaughter Hogs
GRADED FEEDER CATTLE SALE
FRIDAY, DECEMBER 2
LANCASTER STOCKYARDS, INC.
1147 Lititz Pike Lancaster, Pennsylvania 17601
Serving The Community For 87 Years

VINTAGE SALES STABLES, INC.
Sale Every Tuesday
11 A.M.
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Get calves in early. We start to grade and weigh at 2:00.
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LEBANON VALLEY LIVESTOCK MARKET, INC.
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Sale every Tuesday at 1 30 P M starting with feeder cattle and pigs
Also Hay Sale every Tuesday at 12 30

PH GRANGE

HAY, STRAW & CORN — SALE —
Every Friday at 12 Noon
GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-738-1117
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only

HOG MARKETS

Lancaster Hogs

Lancaster Stockyards
Monday, November 21
Report supplied by USDA

HOGS: Compared to last Wednesday barrows and gilts .25-.50 higher; sows 2.00-3.00 lower.

BARROWS AND GILTS: US 1-2 210-250 lb. 41.00-42.00, few 42.00-43.00; 200-210 lb. 39.25-40.50. US 1 210-250 lb. 43.50-45.00. US 1-3 220-260 lb. 40.25-41.00.

SOWS: US 1-3 300-600 lb. 28.00-32.00, mainly 30.00-31.75, few 300-450 lb. 32.50-33.00.

Tuesday, November 22

Today	120
Last Tuesday	149
Last Year	360

TREND: Compared to Monday small supply barrows and gilts weak.

BARROWS AND GILTS: US 1-3 220-260 lb. 40.00-41.00. US 2-3 280-290 lb. 33.00-35.00.

Wednesday, November 23

HOGS: Compared to Tuesday barrows and gilts .50-1.00 higher; sows fully steady, instances 1.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 41.35-41.60. US 1 210-250 lb. 41.75-42.10. US 1-3 205-265 lb. 40.35-41.35.

SOWS: US 1-3 350-600 lb. 31.00-32.00.

Indianapolis Hogs

Wednesday, November 23
Report supplied by USDA

BARROWS & GILTS: 500. Active, .50-.75 higher. US 1-2 220-260 lb. 39.25-39.50. US 1-3 lot near 250 lb. 38.75.

SOWS: Moderately active, steady to .50 lower in light test. (8%) US 1-3 lot 525 lb. 32.00, lot 650 lb. 36.25. US Medium few 370-450 lb. 30.00.

BOARS: Under 250 lb. scarce; over 300 lb. 26.00-27.00.

St. Louis Hogs

Wednesday, November 23
Report supplied by USDA

BARROWS & GILTS: 4500. Moderate, .50 higher. US 1-2 210-250 lb. 39.00-39.50. US 1-3 210-260 lb. 38.50-39.00; 260-270 lb. 37.50-38.00, one load 38.50.

SOWS: Under 500 lb. steady-.25 higher, over 500 lb. 2.00-3.00 lower. (About 10%) US 1-3 300-650 lb. 32.00-33.00, clearance incomplete.

BOARS: Over 250 lb. 28.50; 200-250 lb. 33.00.

Lancaster Feeder Pigs

Tuesday, November 22
Report supplied by USDA

Today	1026
Last Tuesday	1326
Last Year	794

TREND: Compared to last Tuesday feeder pigs uneven, bulk 5.00-10.00 higher, some sales US 1-2 40-50 lb. weights 10.00-15.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 43 head 30-39 lbs. 58.00-64.00; 142 head 40-49 lbs. 57.00-67.50; 112 head 45-49 lbs 69.50-70.50; 59 head 40-49 lbs. 48.00-53.00; 82 head 50-59 lbs. 61.00-62.50; 12 head 54 lbs. 50.00; 23 head 60-61 lbs. 58.00-59.50; 57 head 60-69 lbs. 45.00-53.00; 14 head 70-79 lbs. 40.00-42.00.

US 2-3: 42 head 30-35 lbs. 51.00-56.00; 118 head 40-65 lbs. 40.00-47.00; 11 head 73 lbs. 35.00.

New Holland Hogs

Monday, November 21
Report supplied by USDA

Today	1686
Last Monday	1649
Last Year	1407

TREND: Compared to last Monday barrows and gilts .75-1.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 40.75-42.00, 200-210 lb. 39.75-40.50. US 1 210-250 lb. 43.50-44.50. US 1-3 220-250 lb. 40.00-40.50

Vintage Hogs

Vintage Sales Stables
Saturday, November 19
Report supplied by auction

317 head.

US 1 & 2 215-245 lbs. 40.75-41.50; US 2 & 3 210-250 lbs. 40.00-40.50; Lightweight 190-206 lbs. 36.00-39.00; Sows 300-500 lbs. 26.75-28.75.

Peoria Hogs

Wednesday, November 23
Report supplied by USDA

BARROWS & GILTS: 2500. Moderate, 1.00 higher. US 1-2 220-240 lb. 39.00-39.50, 100 head 40.00; 200-220 lb. 38.50-39.00. US 1-3 220-260 lb. 37.50-38.50.

SOWS: Weights under 500 lb. steady-.50 higher; over 500 lb. steady-.50 lower. (12%) US 1-3 350-500 lb. 30.50-31.50; 500-650 lb. 32.50-33.00.

North Jersey Livestock

Hackettstown, N.J.
Tuesday, November 22
Report supplied by auction

1134 head.

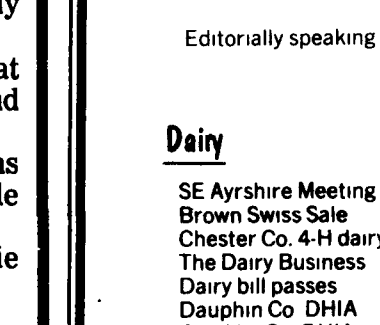
Calves 18.00-81.00; Cows 25.00-47.25; Easy Cows 22.00-36.75; Heifers 30.00-60.00; Bulls 33.25-53.75; Steers 36.00-57.75; Hogs 30.00-40.00; Roasting Pigs, each 16.00-44.00; Kids 11.00-38.00; Boars 25.00-28.00; Sows 30.00; Sheep 15.00-40.00; Lambs, each 10.00-43.00; Lambs, per lb. 19.00-72.00; Goats, each 9.00-59.00; Hides 14.00-18.00.

Good's Hay

Leola, Pa.
Wednesday, November 23
Report supplied by auction

98 loads.

Straw 83.00-102.00; Corn 116.00-144.00; Mixed Hay 65.00-126.00; Timothy 89.00-132.00; Alfalfa 96.00-150.00; Oats 2.65 and 2.70/bu.



U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter Under Federal Inspection

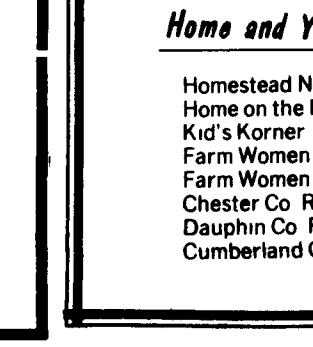
	CATTLE	CALVES	HOGS	SHEEP
Week to Date (Est.)	415,000	39,000	1,122,000	79,000
Same Period Last Week (Est.)	411,000	39,000	1,096,000	78,000
Same Period Last Year (Act.)	400,000	36,000	976,000	76,000

Chicago Grain Futures

(Closing Bids as of Wednesday, November 23)

	Corn	Wheat	Soybeans	Soybean Meal
Dec.	3.35½	3.39		218.50
Jan.			7.82	
Mar.	3.37½	3.52¾	7.98½	223.60
May				223.60

Trend - Corn, Wheat, Soybeans, Soybean Meal, steady to lower.
Market Provided by Commodity Department
Dean Witter Reynolds, Inc.



DAIRY MARKETS

New Holland Dairy

Wednesday, Nov. 23
Report supplied by auction

Total of 119 cows, 41 heifers and 18 bulls; Heifer market steady and fresh cow market stronger.

Load of Pa. fresh 800-925; load of Pa. fresh 1085-1285; load of Canadian fresh 540-1135, springers 675-1160; load of Pa. fresh 875-1450; two loads N.Y. purebred and grade fresh 1050-1660, springers 975-1175.

Local springing heifers 535-825; purebred springing heifers 900-1210; open heifers 260-375; bulls 300-625; local cows 360-885.

Futures Trading

(Closing Bids as of Wednesday, November 23)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Dec.	62.52	42.62	
Feb.	63.12	47.87	
May			621.00

Trend - Cattle, Potatoes, Hogs stronger
Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

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Now you have a choice of marketing your fat hogs on any one of 4 days a week through Walter M. Dunlap and Sons.

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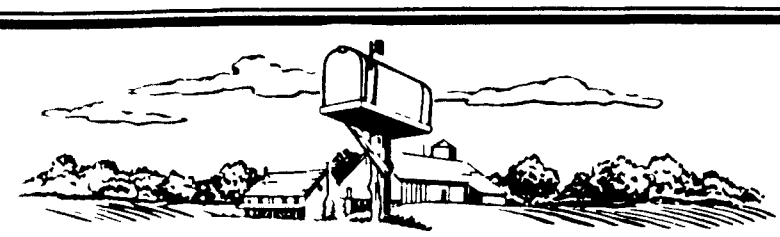

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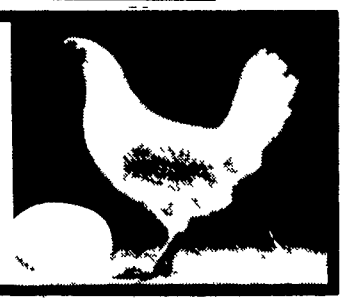
POULTRY MARKETS



Weekly New York Egg Market

From Friday, November 18 to Wednesday, November 23

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	1.04	1.04	1.04	1.04	Holiday
Ex Large	99	99	1.00	1.00	
Large	98	98	99	99	
Mediums	95	95	96	96	
Pullets	75	75	75	75	
Off Grade	92	92	93	93	
BROWN					
Jumbo		–	–	–	–
Ex Large	1.12	1.12	1.14	1.14	
Large	1.09	1.09	1.12	1.12	
Mediums	1.03	1.03	1.06	1.06	
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Undergrades	64	64	64	64	
Checks	62	62	62	62	

Breaking Stock: FridayWednesday, 21.60-22.20, 22.20-22.50

Delmarva Poultry

Wednesday, November 23
Report supplied by USDA

Market Comment: RTC movement on whole birds is fair to good and easily accounts for current production in most quarters. Parts movement is good on all items with breasts and leg quarters in the most sought after parts. Overall slaughter is moderate. Live supplies are adequate at desirable to lighter than desired weights. Undertone ranges from steady to firm.

Today's L.T.L. asking prices are 2 cents higher on U.S. Grade A at 59-64 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 11/23 1,752; Actual 11/16 1,448; Actual 11/21 1,334; Average Weights 11/21 4.30; Average Weights 11/14 4.18.

Philadelphia Eggs

Wednesday, November 23
Report supplied by USDA

MARKET COMMENT: Prices unchanged. Cartoned demand is mixed. Most dealers still note good to very good orders while others have reported orders as fair and not up to anticipated levels. Traders indicate lighter orders are expected next week because of high retail shelf prices plus a lack of features which should dampen the buying interest. Floor stocks are adequate, and orders have been met in most all instances. Additional offerings are light, particularly on nest runs. Undertone fully steady.

Prices to retailers; sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .94-.97; A Large .93-.96; A Medium .87½-.92

Eastern Pa. & N.J. Poultry

Wednesday, November 23
Report supplied by USDA

Market Comment: Prices continue to trend higher. Offerings of live remain limited and the uncertainty of supply for the next few weeks leaves processors in a state of confusion. Plants are running on reduced schedules and on occasion broilers are being processed to fill line time. The call for canner packs is good.

Prices Paid at Farm:
Light Type Hens: 18-20.
F.O.B. Plant: 21-23, mostly 23.

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, November 22
Report supplied by auction

RABBITS: 4-6 lbs. range .68-.85 per lb.

RABBITS: 7-12 lbs. range .30-.50 per lb.

BUNNIES: range .50-1.25 ea.

GUINEA PIGS: range .50-2.00 ea.

GOATS: range 15.00-41.00 ea.

KID GOATS: range 15.00-29.00 ea.

TOTAL NUMBER COOPS: 345.

New York Multiple Drop Broiler Report

Wednesday, November 23
Report supplied by USDA

Current broiler/fryer negotiated prices for immediate delivery includes mostly multiple-drop shipments to New York City from Delmarva.

RANGE: U.S. Grade A .58-.62.

WTD. AVG.: U.S. Grade A 61.37; Premium (X) Boxes 10,593.

(X) Includes special services, selected competitive brands, etc.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight Per Case	Nov. 22 Tuesday	Nov. 24 Thursday
Class 1 - Large	48 lbs.	88	–
Class 2 - Large	45 lbs.	86	–
Class 3 - Medium	42 lbs.	79	–
Class 4 - Small	39 lbs.	70	–
Breaking Stock	48 lbs.	78	–
Checks	48 lbs.	71½	–

Note: No report available for Thursday due to holiday.

N.E. Weekly Shell Egg Report

Tuesday, November 22
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	1.18-1.20	1.17-1.19	1.11-1.13	82-84
Mostly	1.18	1.17	1.11	82
N.HAMP	1.07-1.11	1.06-1.10	1.02-1.06	71-75
Mostly	1.09-1.10	1.08-1.09	1.04-1.05	73-74
R.I.	1.07-1.13	1.06-1.12	1.00-1.08	70-78
Mostly	1.07-1.09	1.06-1.08	1.00-1.04	70-74
VERMONT	1.00-1.15	99-1.10	89-1.08	–
Mostly	1.09-1.15	1.06-1.10	1.02-1.08	–
MAINE	1.14-1.16	1.13-1.15	1.09-1.11	78-80

X Includes Central and Western Sections only.

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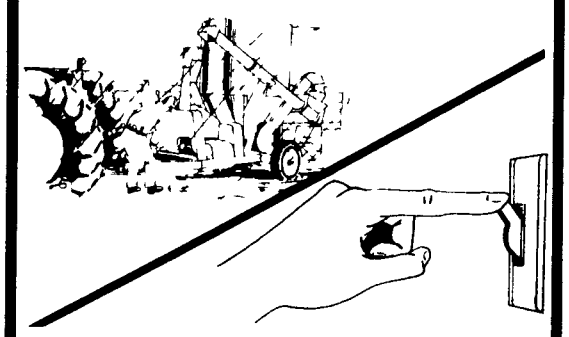
WINTER JOYS?



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Milk, Coffee, and Doughnuts at 9:30 A.M.

10:00 a.m.	**Pennfield - Leading The Way** **Ray Lehr,** Manager Feed Marketing Division
10:15 a.m.	**Positive Program For Breeding Dairy Cows** **Brian Perkins** Ph.D., Manager Dairy and Livestock Nutrition.
10:45 a.m.	**Preventing Dairy Herd Diseases** **Glenn Shirk,** Agricultural Extension Agent
11:15 a.m.	**Pennfield's New High Performance Feeds** **John Fidler,** Ph.D., Manager Technical Services
11:45 a.m.	**Buffet Luncheon**
1:00 p.m.	**Cutting Production Costs and Improving Cash Flow** **Don Mahlandt,** Manager Dairy Feed Sales
1:45 p.m.	**Body Conditioning Scoring** - A New Tool For Herd Management **Brian Perkins**

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HAY MARKETS

New Holland Hay

New Holland Sales Stables
Monday, November 21
Report supplied by auction

160 loads. Compared to last week Mixed Hay and Timothy stronger, Alfalfa slow and corn steady.

Alfalfa 97.00-156.00; Timothy 80.00-150.00; Mixed Hay 80.00-134.00; Straw 55.00-97.00; Corn 122.00-151.00; Seed Oats 2.70-3.10/bu.; Corn Fodder 55.00-82.00; Clover 89.00-120.00.

Kiester's Hay

Middleburg, Pa.
Tuesday, November 22
Report supplied by auction

42 loads of hay.

Alfalfa 102.50-110.00; Mixed Hay 70.00-102.50; Timothy 72.50-92.50; Corn Fodder 60.00; Straw 60.00-79.00; Ear Corn 125.00; Fireplace Wood 20.00-38.00 load.

New Wilmington Hay

New Wilmington, Pa.
Friday, November 18
Report supplied by PDA

53 Loads Hay and 12 Loads Straw.

Alfalfa 98.00-157.50; Mixed hay 60.00-90.00, some 2nd cutting to 110.00; Timothy hay 67.50-82.00; Clover, few 80.00-83.00; Straw 62.00-73.00; Ear Corn 91.00-120.00.

Green Dragon Hay

Ephrata, Pa.
Friday, November 18
Report supplied by PDA

81 Loads Hay and 29 Loads Straw.

Alfalfa 88.00-150.00; Mixed hay 79.00-111.00, few 121.00; Timothy hay, few 80.00-121.00; Clover, two loads 88.00 & 95.00; Orchard Grass, one load 95.00; Straw 81.00-112.00; Ear Corn, 13 loads 123.00-150.00; Corn Fodder, 4 loads 55.00-71.00.

Regional Hay

Friday, November 18
Report supplied by PDA

(All hay No. 2 and better, prices paid by dealers at the farm and per ton.)

Hay & Straw steady.

Alfalfa 105.00-130.00; Mixed hay 85.00-100.00; Timothy hay 80.00-100.00; Straw 60.00-80.00; Mulch 35.00-55.00.

Belleville Hay

Belleville, Pa.
Wednesday, November 16
Report supplied by PDA

22 Loads Hay and 5 Loads Straw.

Alfalfa 90.00-150.00; Mixed hay 90.00-97.50, one load 105.00; Straw 63.00-83.00.

King's Auction

Tuesday, November 22
Report supplied by auction

9 loads.

Alfalfa 110.00-122.00; Mixed Hay 94.00-116.00; Timothy 80.00; Straw 90.00; Corn Fodder 64.00.

Pa. Grain

Monday, November 21
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central PA.: Corn steady to 10 cents lower; Wheat uneven, mostly steady to weak; Barley and Oats steady to 10 cents higher; New Ear Corn steady to strong.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 3.72-4.00, average 3.88, 1984 Crop 2.80-2.85; Wheat No. 2 range 3.35-3.76, average 3.57, 1984 Crop 3.30-3.40; Barley No. 3 range 2.50-3.00, average 2.77, 1984 Crop 2.00-2.30; Oats No. 2 range 2.20-2.35, average 2.31; Soybeans No. 1 range 7.12-7.75, average 7.48, 1984 Crop 6.25-6.61; Gr. Sorghum #2 range 3.40, average 3.40; New Ear Corn range 80.00-115.00, average 92.40.

Central Pa.

Corn No. 2-y range 3.80-4.00, few reported 3.70, average 3.85; Wheat No. 2 range 3.60-4.00, average 3.72; Barley No. 3 range 2.25-2.60, few reported 2.85, average 2.51; Oats No. 2 range 1.80-2.25, few reported 2.45, average 2.13; Soybeans No. 1 range 7.30-7.80, average 7.53; Gr. Sorghum #2 range 3.80, average 3.80; Buckwheat range 8.80-9.00, average 8.90; Old Ear Corn range 100.00-120.00, average 109.89; New Ear Corn range 80.00-90.00, average 84.00.

South Central Pa.

Corn No. 2-y range 3.75-4.05, average 3.83; Wheat No. 2 range 3.25-3.50, average 3.43; Barley No. 3 range 2.25-3.10, average 2.56; Oats No. 2 range 1.80-2.00, few reported 2.40, average 1.96; Old Ear Corn range 110.00-130.00, average 116.17; New Ear Corn range 85.00-110.00, average 96.29.

Southeastern, Central & South Central Summary

Corn No. 2-y range 3.72-4.00, average 3.85; Wheat No. 2 range 3.35-3.85, average 3.61; Barley No. 3 range 2.25-3.00, average 2.64; Oats No. 2 range 1.80-2.40, average 2.15; Old Ear Corn range 100.00-130.00, average 112.40; New Ear Corn range 80.00-110.00, average 90.82.

Western Pa.

Corn No. 2-y range 3.50-3.80, few reported 3.95, average 3.73; Wheat No. 2 range 3.10-3.25, average 3.18; Barley No. 3 range 2.15, average 2.15; Oats No. 2 range 1.65-2.20, few reported 1.50, average 1.86; Buckwheat range 7.00, average 7.00; Ear Corn range 85.00, average 85.00.

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10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM

BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY

12:00 NOON

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THURSDAY

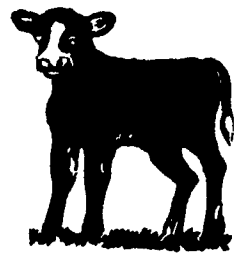
11:00 AM

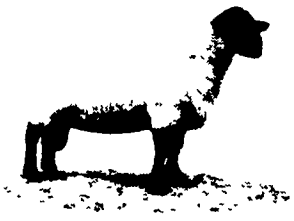
BULLS -

STEERS -
BEEF COWS

3:30 P.M.

CALVES





SHEEP
GOATS

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Livestock market and auction news

Lebanon Valley Livestock

Fredericksburg, Pa.
Tuesday, November 22, 1983
Report Supplied by PDA

CATTLE 195. Compared with last Tuesday's market, slaughter cows mostly 25 cents to 75 cents lower. Two Choice slaughter steers 60.00&60.50, few Good 53.00-59.75, Good & Choice holsteins 49.00-52.85, Standard 45.50-50.50, few Utility & Low Standard 36.75-44.25. Few Choice slaughter heifers 53.25-56.85, few High Choice & Prime 54.85-58.00. Few Standard and Good slaughter heifers 47.50-54.00. Utility & Commercial slaughter cows 37.75-40.85, Cutters 33.75-37.75, Canner & Low Cutters 29.75-34.00, Shells down to 20.00. Few Standard slaughter bullocks 43.75-47.75. Few Yield Grade #1 1260-1345 lbs. slaughter bulls 46.00-51.25, one #2 1315 lbs. at 44.00.

CALVES 245. Vealers grading Standard and Good $1-$4 lower. Prime vealer, one at 90.00, few Choice 61.00-75, few Good 50.00-60, Standard & Good 90-120 lbs. 44.00-49, few 52.00, 60-90 lbs. 39.00-47, Utility 45-100 lbs. 20.00-39.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 49.00-85, mostly 72.00-82. Few Beef cross bulls and heifers 75-110 lbs. 44.00-61.00.

HOGS 193. Barrows and gilts mostly $1.50 lower. US No. 1-2 235-260 lbs. barrows and gilts 38.85-39.25, lot 40.00, No. 1-3 220-255 lbs. 37.85-38.25, No. 2-3 210-280 lbs. 37.10-38, few 280-325 lbs. 32.50-36.25, No. 1-3 135-180 lbs. 25.00-30.50. SOWS: 75 cents-$1.50 lower. US No. 1-3 305-545 lbs. sows 30.75-32.75, one 35.25, No. 2-3 240-565 lbs. 28.00-31. Few Boars 25.00-26.50, one at 29.00.

FEEDER PIGS 11. Few US No. 1-3 45-105 lbs. feeder pigs 25.00-33.00 per hundredweight.

SHEEP 11. Few Choice 90-110 lbs. wooled slaughter lambs 38.00-42, Good 65-100 lbs. 33.00-36, one at 25.00.

GOATS 4: 20.00-29.00 per head.

Keister's Livestock

Middleburg, Pa
Tuesday, November 22, 1983
Report Supplied By PDA

CATTLE 277. Compared with last Tuesday's market, slaughter steers grading Good and Choice mostly steady to strong. Slaughter cows 75 cents-$3 higher. Choice 2-4 1000-1350 lbs.. slaughter steers 59.50-62.75, Good 55.00-60.75, few Standard 50.00-54. Few Choice slaughter heifers 55.25-59.50, few Good 53.00-56.50. Utility & Commercial slaughter cows 36.25-39.50, couple 44.25, Cutters 34.75-37, Canner & Low Cutters 30.85-34.75, Shells down to 25.50. Few Yield Grade #1 1190-1765 lbs. slaughter bulls 46.50-53.25.

FEEDER CATTLE: Few Medium Frame #1 350-600 lbs. feeder steers 45.00-54.00.

CALVES 184. Few Good and Choice vealers 54.00-63.00, Standard and Good 70-105 lbs. 43.00-50, Utility 60-90 lbs. 35.00-44.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 50.00-60.00.

HOGS 409. (11-21-83) Barrows and gilts steady to strong. US No. 1-2 210-235 lbs. barrows and gilts 40.50-42, few 43.75, No. 1-3 2-250 lbs. 40.00-40.50, No. 2-3 200-270 lbs. 38.50-40. US No. 1-3 380-600 lbs. sows 31.00-34.50, few 37.00, No. 2-3 360-500 lbs. 28.00-31. HOGS 74. (11-22-83) mostly sows. BOARS 25.00-30.25.

FEEDER PIGS 355. US No. 1-3 20-35 lbs. feeder pigs 13.00-20 per head, No. 1-3 35-50 lbs. 18.00-31, No. 1-3 50-75 lbs. 30.00-36, per head. Few lots No. 1-3 135-175 lbs. 35.50-36 per hundredweight basis.

SHEEP 8. Few Good and Low Choice 75-110 lbs. wooled slaughter lambs 38.00-48.00.

GOATS 16: Large 18.00-46.00 per head.

Late-week markets not covered due to Thursday holiday

Peoria Cattle

Wednesday, November 23
Report supplied by USDA

Compared to last week Slaughter Steers sold 1.00, instances 1.50 higher. Heifers generally steady. Cows and Bulls remained steady trade opened the week active with good demand. Buyers aggressive for early week supply and steer buyers responding to upturn in futures market. Majority of receipts Good and Choice Steer and Heifers with 16% Cows and Bulls. Receipts this week 1350 as compared to 2089 a week ago and 1727 a year ago.

SLAUGHTER STEERS: Choice 2-4 1025-1225 lbs. 58.50-60.25. YG 3-4 56.00-58.50. Mixed Good and Choice 2-3 975-1150 lbs. 57.00-58.50. Good 55.00-57.00. Holsteins: Good and Choice 2-3 1100-1300 lbs. 49.00-51.50.

SLAUGHTER HEIFERS: Choice 2-4 925-1125 lbs. 57.00-59.00. YG 3-4's 950-1050 lbs. 56.50-57.00. Good and Choice 2-3 850-1050 lbs. 55.00-56.50. Good 50.00-55.00.

COWS: Breaking Utility and Commercial 2-4 34.00-35.00. Cutter and Boning Utility 1-3 33.00-35.50. Canner and Low Cutter 1-2 28.00-33.00.

BULLS: YG 1-2 1100-1900 lbs. 39.50-44.00.

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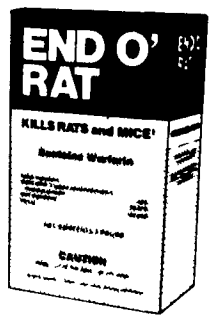

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HORSE MARKETS

New Holland Horse

New Holland Sales Stables
Monday, November 21
Report supplied by auction

Reported receipts of 284 head of horses, mules, and ponies. Market: lower.

LOCAL
Better horses 400.00-800.00.
Driving horses 300.00-975.00.
Riding horses 225.00-350.00.
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THE OLD FARMER'S ALMANAC

NOV. 28-DEC. 4, 1983

Snow around, drivers slow down.

Start gathering evergreens for Christmas wreaths Average length of days for the week, nine hours, 19 minutes New moon Dec 4 (Sun) H L Hunt, one of world's richest men, died at age 85 Nov 29, 1974, in Dallas Illinois became 21st state Dec 3, 1818 Boston's Coconut Grove nightclub fire killed 492 Nov 28, 1942 *He doubles his gift who gives in time*

Ask the Old Farmer: To till means to plow and otherwise cultivate the soil, yet I note that the steering apparatus of a boat is called a tiller Why the similarity and how come? A N, Bangor, Me

The tiller of a boat, in original shape and design was a dead ringer for the single-handled plows that the ancients used to steer Incidentally, they called this thing a tiller, among other things

Home Hints: Drooping feather pillows will look and feel like new if they are tumbled in an automatic dryer

OLD FARMER'S WEATHER FORECAST

New England: Cold to begin week, snowstorm midweek, more snow through weekend, rain south

Greater New York-New Jersey: Rain, sleet, cold at beginning of week, little change through end of week

Middle Atlantic Coastal: Week begins with cold, rain, snow north and mountains, snowstorm north midweek showers, cool weekend

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Apple Market News

Monday, Nov. 21
Report Supplied By PDA

This week's Apple Market News Service continues to report a market with sluggish demand and steady prices. Demand picked up somewhat the end of last week but not as much as anticipated. One theory regarding the poor movement is the over abundance of traypack fruit out of Washington. To date Washington has shipped 9,512 trucks which is 3,135 trucks more than last year at this time.

Juice apple prices: Straight loads for juice - $3.25-4.00, few higher.

SUMMARY

Prices quoted below are wholesale, truckload, f.o.b. prices at the orchard or packing house on Pennsylvania apples.

12/3 Bags Red Delicious U.S. Extra Fancy - $8.50; Comb. U.S. Fancy&Ex. Fancy - $6.25-6.50; U.S. Fancy - $6.00-7.00.

Golden Delicious US Fancy - $6.50; 8/5 bags Golden Delicious US #1 - $6.00.

12/3 bags Stayman Comb. Fancy&Extra Fancy - $6.50-6.90; US Fancy - $8.00.

12/3 bags Red Rome US Extra Fancy - $8.00; Comb. Fancy&Extra Fancy - $6.50-6.90; US Fancy - $6.00-7.00.

12/3 Yorks US Fancy - $7.00; 8/5 bags Yorks US Fancy - $7.00.

TRAYPACKS - Red Delicious US Extra Fancy 100's larger - $11.00-11.50; Extra Fancy 113'1 - $11.00; Extra Fancy 125's - $10.50; Extra Fancy 138's - $10.00; Comb. grade Fancy&Extra Fancy 100's lgr. - $10.00; Fancy&Extra Fancy 113's - $9.00; Fancy&Extra Fancy 125's - $9.00.

Stayman US Fancy&Extra Fancy 113's larger - $12.00; Fancy&Extra Fancy 125's - $9.50-10.00.

Golden Delicious Comb. Fancy, Extra Fancy 100's larger - $9.50-10.00; Comb. Fancy, Extra Fancy 113's - $9.00-9.50; Comb. Fancy, Extra Fancy 125's - $8.50.

Red Rome US Extra Fancy 88 larger - $11.00; Comb. Fancy&Ex. Fancy 80 larger - $9.50; Comb. Fancy&Ex. Fancy 88's - $9.00-9.50.

Yorks Comb. Fancy&Extra Fancy 113 larger - $9.50; Fancy&Extra Fancy 125 - $9.00.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, November 22
Report supplied by auction

Beef Cows: Utility and Commercial 38.50-43.50; Cutters 35.25-38.25; Canners 32.50-35.10; Shells 25.00.

Heifers: Standard 44.50-48.50; Commercial 38.50-43.25.

Steers: Good 48.25-51.10; Standard 42.10-47.50.

Bulls: Good 51.00-56.00.

Feeder Cattle: 300-500 lbs. large frame 49.00-67.00; 300-500 lbs. small frame 44.25-51.50; 500-700 lbs. large frame 42.50-48.25; 500-700 lbs. small frame 43.00-49.50.

Veal Calves: Good 56.00-61.00; Standard 49.00-55.00; Utility 32.00-48.00.

Farm Calves: Bulls 52.00-67.00; Heifers 48.00-54.00.

Hogs: 36.50-42.00.

Sows: 28.00-32.50.

Boars: 25.00-28.25.

Shoats: 25-30 lbs. per head 7.00-12.00; 30-35 lbs. per head 11.00-15.00; 35-50 lbs. per head 16.00-24.00.

Lambs: 40.00-44.50.

Sheep: 6.00-12.00.

Goats: per head 7.00-38.00.

East Coast Carlot

Wednesday, November 23
Report supplied by USDA

Compared to Tuesday's close: Demand light for moderate supplies prime special fed veal. Few sales generally steady in slow trading. Demand light for moderate supplies Good and Choice Boning Veal. Good and Choice Boning Veal generally steady; no sales inshipped veal reported. Demand light to moderate supplies Lamb. Sales 5.00 lower than last week. No Boneless Beef or Trimmings reported.

VEAL CARCASS
Prime (Special Fed)
Hide On 00 Head

220-280 lbs. 170.00-173.00, genearlly steady.

Good & Choice
Boning Type
Hide On

Northeastern Suppliers: All steady. 65-75 lbs. 76.00-77.00; 55-64 lbs. 74.00-75.00; 45-54 lbs. 72.00-73.00; 35-44 lbs. 70.00-71.00; 34 lbs. down 68.00-69.00.

Inshipped: No sales reported.

LAMB BEEF
Choice and Prime 3-4
34½ Loads

All 5.00 higher.

55 lbs. down 130.00; 55-65 lbs. 130.00; 65-75 lbs. 130.00.

Compared to last week: Demand light for moderate supplies Prime Special Fed Veal. Sales 2.00 to 3.00 higher in moderate trading. Demand moderate for moderate supplies Good and Choice Boning Veal. Good and Choice Boning Veal weak to 2.00 lower; inshipped Veal steady to weak. Demand moderate for light to moderate supplies Lamb. Lamb sales 5.00 higher. No sales Boneless Beef or Beef Trimmings reported.

Joliet Cattle

Wednesday, November 23

CATTLE: Friday through Wednesday's salable receipts 1900; 5 days last week 2885; same period a year ago 2646. Trading moderately active Monday; active Wednesday. Slaughter steers ended the week 1.00-2.00, instances 2.50 higher compared with Wednesday of last week. Slaughter heifers ended the week 1.50-2.00 higher.

SLAUGHTER STEERS: Choice few prime 3-4 few 5 1200-1350# 62.00-62.50 Monday; 63.00-63.50, load 1400# 63.00 Wednesday. Choice 2-4 1050-1350# 59.00-62.00 Monday; 60.00-63.00, load 63.50 Wednesday. Mixed good and choice 2-3 1000-1250# 58.00-59.50 Monday; 59.00-60.50 Wednesday.

SLAUGHTER HEIFERS: Choice 2-4 900-1050# 58.00-60.00, 2 loads 60.50 Monday; 59.50-60.25. Mixed good and choice 2-3 850-1000# 55.50-58.00 Monday; 58.00-59.75 Wednesday. Good 2 850-950# 53.50-55.50 Monday; 55.00-57.50 Wednesday.

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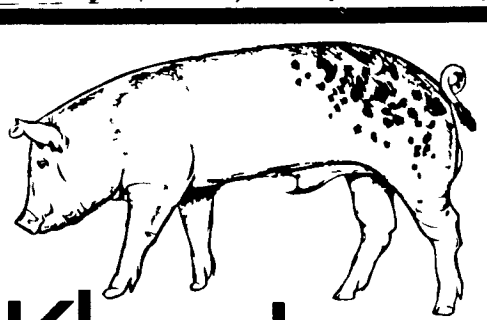

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Every 4 Weeks
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R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer
NEXT SALE DATE JANUARY 20

Livestock market and auction news

VIRGINIA MARKETS

Virginia Auction Summary

November 17-23
Report supplied by VDA
Total of Va. Weekly Feeder Cattle Auction Receipts: 7,831.
TREND: Steady to $3 higher.

Southwestern, Va.
Auction Summary
November 17-23

STEERS: 300-500 lbs. Medium 1 58.80-69.00; Large 1 61.00-71.00; Small 1 55.00-65.00. 500-700 lbs. Medium 1 54.00-66.00; Large 1 53.00-66.00; Small 1 45.00-58.00. 700-1000 lbs. Medium 1 46.00-56.75; Large 1 49.00-57.00; Small 1 42.00-54.25.

HEIFERS: 300-500 lbs. Medium 1 43.00-56.50; Large 1 45.00-57.00; Small 1 40.00-53.00. 500-700 lbs. Medium 1 42.50-54.00; Large 1 42.25-52.50; Small 1 39.50-48.00; 700-900 lbs. Medium 1 40.00-45.75; Large 1 38.00-47.50.

Northern Va.
Auction Summary
November 17-23

STEERS: 300-500 lbs. Medium 1 54.50-67.00; Large 1 57.00-68.00; Small 1 51.00-60.50. 500-700 lbs. Medium 1 50.00-60.50; Large 1 56.75-60.25; Small 1 51.00-60.50. 700-1000 lbs. Medium 1 49.00-59.50; Large 1 51.50-55.50.

HEIFERS: 300-500 lbs. Medium 1 40.00-51.75; Large 1 48.00-51.25; Small 1 44.50-48.00. 500-700 lbs. Medium 1 42.50-52.00; Large 1 43.25-48.50; Small 1 39.75-40.00. 700-900 lbs. Medium 1 35.00-47.50; Large 1 42.50.

Southeast Va.
Auction Summary
November 17-23
No Auction Held This Week.

Four States Livestock

Hagerstown, Md.
Wednesday, November 16
Report supplied by auction

SLAUGHTER: Fed Steers- $1.50 lower, no Choice. Good 51.00-54.75; Medium 50.00 down. Heifers- Good 43.00-47.25; Medium 42.00 down. Cows- Good run, $1.50 lower. High Yield 38.00-39.00; Average 34.00-37.00; Big Middle 30.00-33.00; Fatty Herf 29.00-35.00; Shelly 32.00 down. Fat Bulls-$2.00 lower. Good 44.00-46.75; Medium 40.00-43.00. Veal Calves- Mostly steady. Farm Bulls- $8.00 higher. Good 63.00-70.00; Medium 55.00-62.00; Farm Hfrs. to 52.00; Farm Bulls 65.00-82.00; Light & Weak 42.00-down.

STOCKER: Steers 300-550 lbs.- Good run, $2.00 higher. Choice 60.00-65.00; Good 53.00-59.00; Medium 46.00-52.00; Culls 45.00 down. Steers 600-850 lbs.- Choice 55.00-60.00; Good 48.00-54.00; Medium 47.00-down. Heifers (All Weights)- Choice 45.00-48.50; Good 41.00-44.00; Medium 35.00-40.00. Dairy Cows- to 500.00. Spring Heifers- to 690.00; one Reg. Hol. Bull at 825.00. Pigs, Hd. - Very active, $3.00 higher. 20-30 lbs. 8.00-17.00; 40-70 lbs. 18.00-31.00. Shoats by lb.- to 35.00. Slaughter Hogs- $1.00 lower. 220-240 lbs. 38.00-39.25; 265-300 lbs. 37.00-41.00; 200-215 lbs. 36.75-38.00; 375-420 lbs. 37.00-43.00. Sows- 300-550 lbs. 35.00-42.50; Thin Sows- 27.00-34.00. Stock Bulls- Choice 50.00-56.00; Good 45.00-49.00; Medium 44.00 down.

Oklahoma Cattle

Wednesday, November 23
Report supplied by USDA

Estimated Receipts 1,800
Same Day Last Week 8075

Feeder Steers under 500 lb. 1.00 lower; over 500 lb. 50-75 cents higher. Feeder Heifers under 500 lb. 1.00-2.00 lower; over 500 lb. firm. Calf demand fair, yearling demand very good. Pre-Holiday trading; lack of load lot availability; first blast of cold, wet winter weather; all factors in todays trading. Slaughter cows steady. Bulls scarce. Cow demand good. Actual auction sales will run near 900 head with about 20 percent of these cows.

FEEDER STEERS: Medium and Large Frame 1 350-450 lb. 69.50-71.90; 500-575 lb. 67.20-71.00; 600-650 lb. 63.90-65.70, load moderately thin 645 lb. 65.70. Medium and Large Frame Mixed 1-2 260 lbs. 62.60; 400-550 lb. 64.75-66.25. Large Frame 2 Holsteins 775 lb. 42.60; 830 lb. 41.40.

FEEDER HEIFERS: Medium and Large Frame 1 350-400 lb. 55.00-58.75, lot 450 lb. 54.80; 500-600 lb. 55.30-56.00. Medium and Large Frame Mixed 1-2 240 lb. 57.50; 300-400 lb. 52.75-55.00; 400-500 lb. 49.20-54.75; 500-625 lb. 49.75-55.80, mostly 53.40-55.80. Medium and Large Frame 2 500-650 lb. 47.50-49.75.

SLAUGHTER COWS: Breaking Utility and Commercial 3-4 36.40-36.75; Cutter and Boning Utility 1-2 32.75-35.70; Canner and low Cutter 26.75-31.20.

REPLACEMENT AND OR FEEDER COWS: Small and Large Frame 1-2 young 37.30-41.10; aged 31.50-31.70.

FOR THE WEEK: Feeder Steers under 500 lb. steady to 1.00 lower than last week; over 500 lb. 1.00-2.00 higher. Feeder Heifers under 500 lb. steady to 2.00 lower; Over 500 lb. steady to 50 cents higher. Cows weak to 1.00 lower. Midweek's sales breaking Utility and Commercial 2-4 33.00-36.75; Cutter and Boning Utility 1-2 32.00-36.00; canner and low-cutter largely 28.50-32.00. Bulls steady to 1.00 higher, mostly steady. YG 1-2 950-1500 lb. 39.75-47.00, mostly 41.00-47.00; 1500-1800 lb. 41.75-48.00, mostly 44.00-48.00, individual 2050 lb. 51.00. Salable receipts this holiday shortened week near 8,400 head compared to 21,094 head last week and 5,792 last year. Bulk supply Feeder Steers and Heifers; Cows and Bulls near 18 percent of total.

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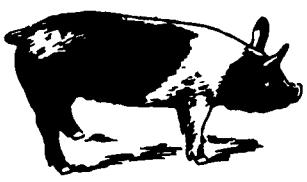

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Ramblections

True meaning of thanks

BY DICK ANGLESTEIN

"Thank you" has become one of the popular phrases of the English language which has essentially lost its meaning. It is said so often and so matter-of-factly that the speaker rarely has any real intention of expressing true thankfulness. It's a lot like the traditional greeting of "How are you?" More often than not the questioner could care less about your welfare and more than likely you'll not answer your true feelings of how you really feel.

But what then is the real meaning of giving thanks? The true expression of thankfulness may be giving thanks when there doesn't appear to be any apparent reason to do so. Such situations may arise all too often in agriculture where farmers daily contend with variables that are beyond their personal control.

A number of years ago, I traveled through Texas on a combine-chasing trip. One stop was in Waxahachie south of the Dallas-Fort Worth area. That area -- normally very hot and dry -- was in the midst of one of its worst periods of sustained drought. Down there drought is measured in months rather than weeks and sometimes in years. (Some old-timers even maintained that it was one of the few times they can remember that even if it did rain the drops evaporated before they reached the ground.)

Our visit included a Texas farmer who had bought a new combine he'd never get to use that year. His milo crop just wasn't worth combining; it would be cut and baled to salvage as forage.

He took us on a tour of his parched fields. His weathered, sun-darkened face was nearly as deeply lined as his fields.

Milo that should have been brushing your chest and shoulders hardly reached your knees. The leaves were completely curled. They were as brittle as glass and shattered at the touch. You had to look hard to find any tiny kernels in the partially formed heads.

Just walking in the fields was difficult. The sun-baked grounds had deep ruts and cracks that resembled a loaf of bread or cake left too long in the oven. When you stopped, the heat seeped through the soles of your shoes and you kept walking like a barefoot boy who toddles quickly across a hot sidewalk.

"We've come to expect heat and dryness down here," said the weathered man in the cowboy hat and boots.

"It's a way of life for us.

"But this year it's been particularly bad. Not even our milo could take it.

"I've been plowing these dusty, dry soils for more than 25 years. From the time you turn it in the spring until you combine it in the fall, it gets in your eyes and grinds like grit between your teeth.

"But these soils were put here for a purpose. Maybe, they don't produce like they could every year. But every once in a while, it all comes together and we have a bumper crop.

"In those few bumper years, it's easy to be thankful. In the many lean, dry years, it's a bit harder.

"But a lot of me has gone into these soils -- just as much during the bad years as the good ones. So, I've come to be thankful for both."

This grizzled Texas farmer had found the true meaning of giving thanks. It's a way of life -- just like farming is.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

ENTRUSTED
November 27, 1983

Background Scripture:
Matthew 5:13-16; 28:18-20; 2 Corinthians 5:18-21, 2 Timothy 4:1-5.
Devotional Reading:
2 Timothy 4:1-5.

It is a sobering experience to be entrusted with something important. The more important that something is, the more sobering it is likely to be. Correspondingly, it may be unsettling to be reminded of something that has been entrusted to us and which we have largely forgotten or overlooked. How terrible to find that someone depended upon us and we have let them down.

Sometimes, of course, we have the opportunity to make good on our original commitment. There is still time left to fulfill someone's trust in us. Other times, we come to the realization all too late and all we have left then is remorse and shame and a disappointment with ourselves.

GIVEN A MINISTRY

This column is written to remind you of something which has been entrusted to you — something which, perhaps, you may have forgotten or which needs renewed dedication and effort. It is an attempt to call this entrustment to your attention while there is still time to do something about it.

Writing his second letter to the church at Corinth, Paul uses these words to remind the Corinthian Christians — and us:

All this is from God, who through Christ reconciled us to himself and gave us the ministry of reconciliation; that is, God was in Christ reconciling the world to himself...and entrusting to us the message of reconciliation. So we are ambassadors for Christ, God making his appeal through us. (5:18-20).

Now, just in case you may think I seized without justification upon that word "entrusting," please note that, not once, but no less than three times in that one passage Paul reminds us that God is depending upon us to fulfill the task with which he entrusted us: he "gave us the ministry of reconciliation," "entrusting to us the message of reconciliation," and we are "ambassadors for Christ, God making his appeal through us." Clearly, our task: reconciliation.

BE RECONCILED

Stop and think a moment: how well have you carried out that entrustment? How much reconciling have you carried on in the world about you? Are you involved in reconciling people to God and each other, or do your activities tend to divide people and drive them further apart? What kind of appeal is God able to make through you?

I don't know how well you did on those questions above, but I must confess that I don't think I've done so well. All too often I've been involved in efforts that divide and alienate people. Instead of healing rifts, I have often worked at widening them. And even when I have not really been hurting the reconciling work of God in the world. I don't think I've been helping it a whole lot.

To read this passage from 2 Corinthians 5 has been a sobering experience for me. I hope it will be for you, too.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Be Careful When Cleaning Manure Pits

Many manure pits will be emptied at this time of year; it's an opportunity to clean out the pit before cold weather arrives. When this volume of manure is agitated there is greater danger of toxic and explosive gases being released. Every precaution should be taken. If there are animals above the pit, then maximum ventilation should be provided. When the pit is empty or partially empty, no one should enter the pit without a respirator or gas mask. There may be dangerous gases present. Also, no smoking or open flames should be nearby. These pits are the modern way to store manure, but they do present a hazard to both man and animal.

To Appreciate Harvest Completion

Once again we have come to the end of another growing season and the finalizing of the harvest.

Although 1983 was an unfavorable year hereabouts for field, orchard and garden crops, there has been adequate production of food and feed, observes Arnold G. Lueck, Agronomy-Horticulture Agent.

The harvest is now 95 percent plus completed. There now comes a good feeling of satisfaction when all is safely gathered in. And it all brings rewards of a growing season gone by.

Rewards from crop production come as a result of a choice selection of seeds and plants; of careful preparation of the seedbed; of fertilizing, tilling and weeding; of cooperation from weather's rain and sunshine; and of the owner or manager inputs. Harvest time follows. A time of joy and thanksgiving should now prevail.

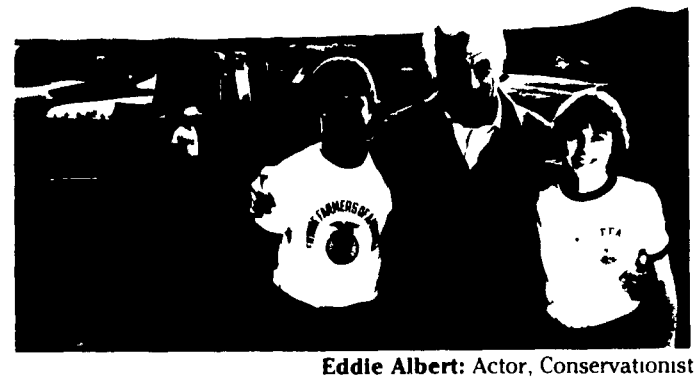
To Check Standby Generators

Your standby generator may be needed at any time. Is it ready? With all the uses of electricity on the farm today, we need this type of emergency equipment. We are in the weather season now when we can expect both snow and ice storms that can give us power outages. This means that activities on many farms will stop when the electricity fails. To have a standby generator is very good management; however, you need to run this generator at least once every two weeks to be sure it is in good running order when needed.

This kind of emergency equipment can be a life saver for both man and animal or poultry, as well as eliminate possible financial losses.

(Turn to Page A12)

KEEPING AMERICA ON THE GROW



Eddie Albert: Actor, Conservationist

America is number one in agriculture because of a simple idea. In the past, we invested in our young people. Today, they lead the world in agriculture.

Programs teaching production, horticulture, processing, sales and service, natural resources, forestry and agrimechanics are essential. Through such educational programs, young people learn to use the modern technology of agriculture to feed our nation and the world.

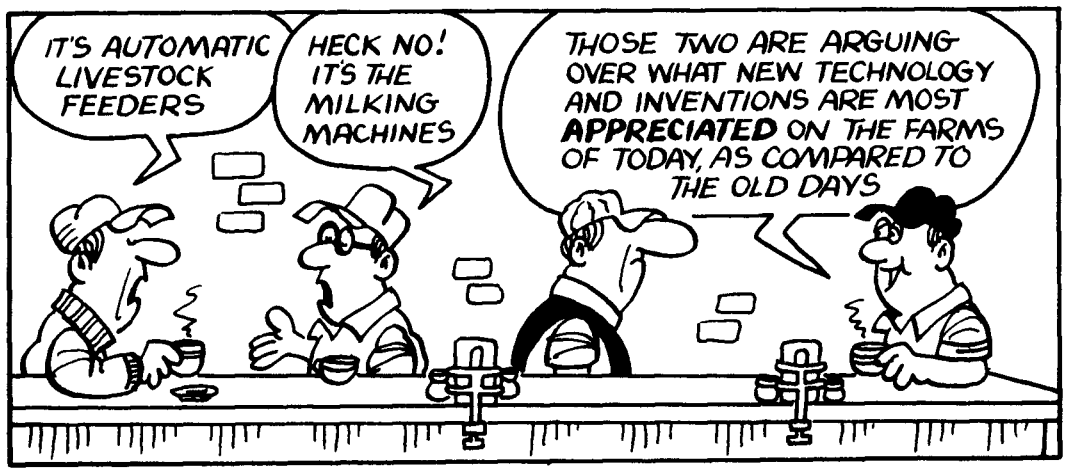
We have to keep America on the grow. We have to invest in the people and technology that ensures our world leadership in agriculture.

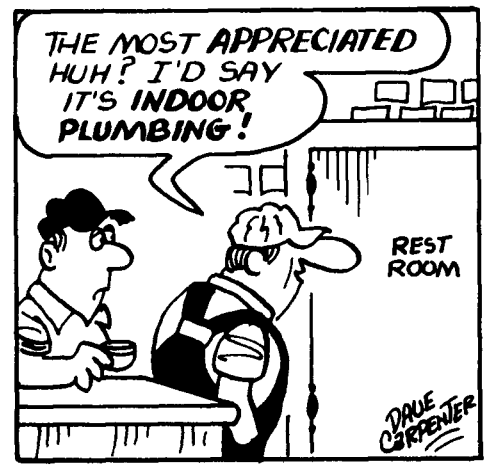
That's why your support of vocational and technical education in agriculture, and the Future Farmers of America in your community, is so important.

Together, we're Keeping America on the Grow.

Future Farmers of America

Otis


IT'S AUTOMATIC LIVESTOCK FEEDERS
HECK NO! IT'S THE MILKING MACHINES
THOSE TWO ARE ARGUING OVER WHAT NEW TECHNOLOGY AND INVENTIONS ARE MOST APPRECIATED ON THE FARMS OF TODAY, AS COMPARED TO THE OLD DAYS



Farm Calendar

Monday, Nov. 28
New England Vegetable Growers Convention, Sheraton Inn, Foxborough, Mass., continues through Wednesday.

Tuesday, Nov. 29
Conservation tillage conference and trade show, National Guard Armory, north of Trenton, N.J.

Thursday, Dec. 1
Third International Hog Trade

(Turn to Page A12)

PENNSYLVANIA FARMERS ASSOCIATION (PFA)

SECOND ANNUAL SEMINAR

DECEMBER 7, 1983

At The Pennsylvania Farm Show Building, Harrisburg, PA
By Advance Sale Ticket Only - Limit 2000 Tickets

Morning Seminars: 9:30 AM - 12:00 Noon

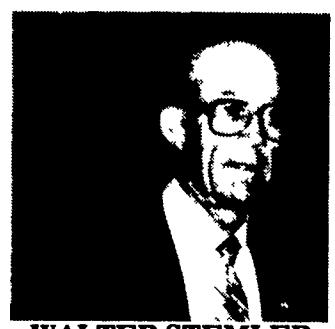
Innovations For "MORE PROFIT POTENTIAL"

- Individual Seminar Group For The Following:
  - DAIRY • LIVESTOCK • POULTRY • GRAIN
  - FRUIT AND VEGETABLE
- Fresh Ideas For More Profit
- More Income/Lower Costs On Your Farm

DAIRY SPEAKERS

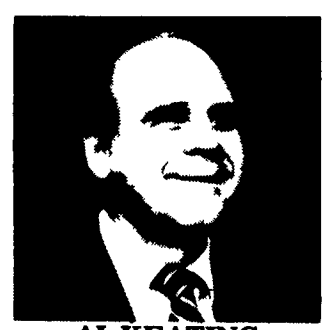
GORDON RIEHL
General Manager
Milk Marketing, Inc.

JOHN F. DUFFY
Account Supervisor
Batz Hodgson
Neuwoehner, Inc.



WALTER STEMLER
Illinois Dairy Farmer
Board Member
Mid-America Dairymen, Inc.

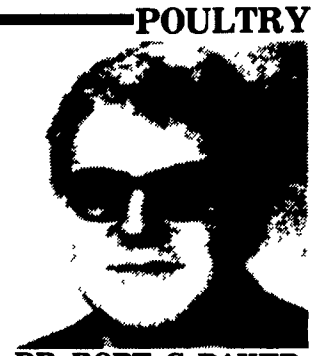
LIVESTOCK SPEAKERS



AL KEATING
Livestock Mkt. Specialist
American Agricultural
Marketing Assoc.

STEVE HANCOCK
Livestock Mkt. Rep.
Georgia Farm Bureau
Marketing Assoc., Inc.

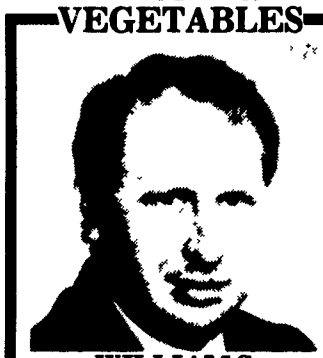
POULTRY SPEAKERS



DR. ROBT. C. BAKER
Dept. of Poultry And
Avian Sciences
Cornell University

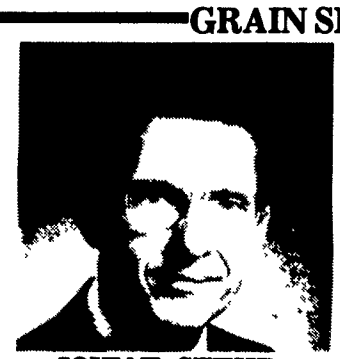
JOHN R. PEDERSEN
Pres., Poultry & Egg Fax
Vice-Pres., United
Egg Producers

FRUIT & VEGETABLES

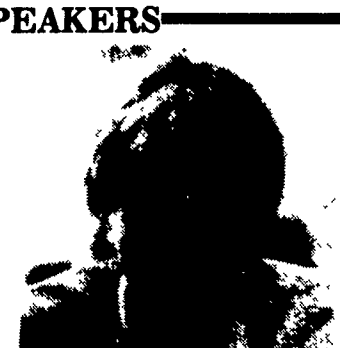


WILLIAM S. FARRINGTON
Director of Horticultural Crops
Am. Farm Bureau Fed.

GRAIN SPEAKERS



JOHN E. STEHR
Manager, Gov. Affairs
A.E. Staley Mfg. Co.



GERRY HILDEBRANDT
Vice President
Clayton Brokerage Co.
Research for Futures

Afternoon Seminar: 2:00 PM - 4:30 PM

OUTLOOK Into 1984 For Your Commodity

Learn What Predictions Are For 1984

Hear stimulating speakers from all areas of farming.

- Eat Foods Of The Future
- Foreign Buyers
- See Many Commodity Exhibits

TICKET ORDER - Please send me TICKETS for PFA's 1984 MARKET OUTLOOK CONFERENCE and 21st ANNUAL GOLDEN HARVEST DAIRY CATTLE SALE...
FARM SHOW BLDG., Harrisburg, PA **DECEMBER 7, 1983**
____ Tickets* @ $25.00 per person $ _____
____ Tickets* @ $45 00 per couple $ _____
TOTAL $ _____
* Ticket Cost includes Wednesday LUNCH and BANQUET

Please make check payable to "PACMA" and mail with Ticket Order to PACMA, P.O. Box 736, Camp Hill, PA 17011 717-761-2740

Name _____
Address _____
Zip _____
County _____
Phone (_____) _____

Evening Activities

SPECIAL GUEST SPEAKER
JOHN BLOCK, U.S. SECRETARY OF AGRICULTURE

Seen Above, Center, With President Reagan & Leon Wilkinson

6:00 PM - 8:30 PM - BANQUET OF SUPER FOODS
After Dinner Speaker - John Block
"Recreation" - Exciting, Wholesome Entertainment Group

21st ANNUAL GOLDEN HARVEST DAIRY CATTLE SALE

DECEMBER 8, 1983 9:30 AM - 5:00 PM (No Admission Ticket Required)

Consignments of 80 Registered Holsteins featuring Valiant bull from Jessie (2E90) and her 7 generations of excellent dams and Jetson bull from Penny VG87 with her second generation over 35,500 lb. milk and 1300 lb. Fat.

80 Outstanding Cows and Bred Heifers from top herds. Ayrshires are being consigned; other breeds are invited.

Workshops In Forward Price Hedging

Drought's role may be small at grocery checkout

WASHINGTON, D.C. — For most consumers far from the farm, the impact of the 1983 drought will be measured at the grocery store. In the process, the drought may get more blame than it deserves.

In the first place, the drought's impact on food prices may come a bit later and may end up to be somewhat smaller than consumers might expect. Beyond that, it will be difficult — impossible from the checkout counter — to clearly separate the drought's impact from the many other factors that keep food prices rising each year, regardless of harvests.

USDA analysts looking at the consumer end of the agricultural outlook will sharpen their forecasts when they get a better picture of this year's crop damage. Even at this point, however, it's fairly evident that fears of massive food price runups or shortages are out of tune with the facts.

Affect meat later

For example, the drought had little or no impact on most fruits and vegetables, and it provided good weather for the winter wheat harvest this summer. Wheat supplies will remain close to record levels throughout the 1983/84 crop year.

Aside from relatively minor food items such as sweet corn, withered corn and soybean harvests will affect consumers almost exclusively through meats and poultry, especially beef. Higher feed costs and shrinking margins for producers will probably mean some reduction in meat supplies, and higher meat prices, in the last half of 1984 and into 1985.

In the meantime, producers are expected to respond to reduced returns by sending more animals to slaughter this fall and winter. The result: increased meat supplies and very little upward pressure on retail prices.

Retail Food Price Rises Moderated in 1982 and 1983

	Foodstore prices	All food prices[1]
	percent increases	
1973	16.3%	14.5%
1974	14.9%	14.4%
1975	8.3%	8.5%
1976	2.1%	3.1%
1977	6.0%	6.3%
1978	10.5%	10.0%
1979	10.8%	10.9%
1980	8.0%	8.6%
1981	7.3%	7.9%
1982	3.4%	4.0%
1983[2]	1.6%	2.3%

[1]Includes food purchased at restaurants, etc. [2]Forecast.

Before the drought hit, analysts had projected food prices to rise only 2 to 4 percent this year, and they're now pointing to the lower end of the range. For consumers, that would mean the smallest increase in 16 years.

Not Primary Role

The drought will play a role in next year's rising food prices, but not the primary one. In any given year, food prices respond to many factors, including inflation, domestic and foreign demand, and stocks on hand.

For an indication of the errors that can be made in assuming a direct link between crop size and food prices, consider the 1974 and

(Turn to Page A38)

Farm Calendar

(Continued from Page A10)

Show, Atlanta Civic Center, Atlanta, Ga., continues through Saturday.

Economic Outlook and Farm Tax Meeting, 7:30 p.m., Union Grove School, Terre Hill.

Friday, Dec. 2

Grain Producers Marketing Strategy, Sheraton Inn, Dover, Del.

Farmland Protection Conference, Cedar Eatery, Allentown, Pa.

Saturday, Dec. 3

Dairy goat meeting, 1 p.m., Daleville Methodist Church.

Now is the Time

(Continued from Page A10)

To Order Small Fruit Plants Early

This may strike you as premature, but this is a good time to order small fruit plants for next spring. Although you won't put them in the ground until April, you should be flipping through catalogs now. Ordering early assures you of a wide selection of the best varieties. Companies begin filling orders with their best stock...if you delay you could be stuck with what's left over. Ordering early also means you'll get your strawberries or blackberries or whatever at the best time to plant.

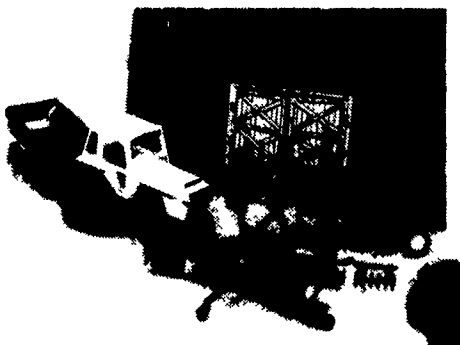
So, dig out those catalogs now...get your order in...and be prepared for delicious fruit from your planting.

KEEPING AMERICA ON THE GROW

CHECK WITH US FOR A GOOD SELECTION OF TOYS

For Your Family's Future Farmer!

Case Deluxe Farm Set. Includes the 11" die cast metal Case Tractor 2390 to pull four-bottom plow, tandem disc, and steel flare box wagon with opening tailgate. Package sets up to become a little red barn.



★ RIDING PEDAL TRACTORS
★ SCALE MODEL TRACTORS

Tricycle Pedal Tractor

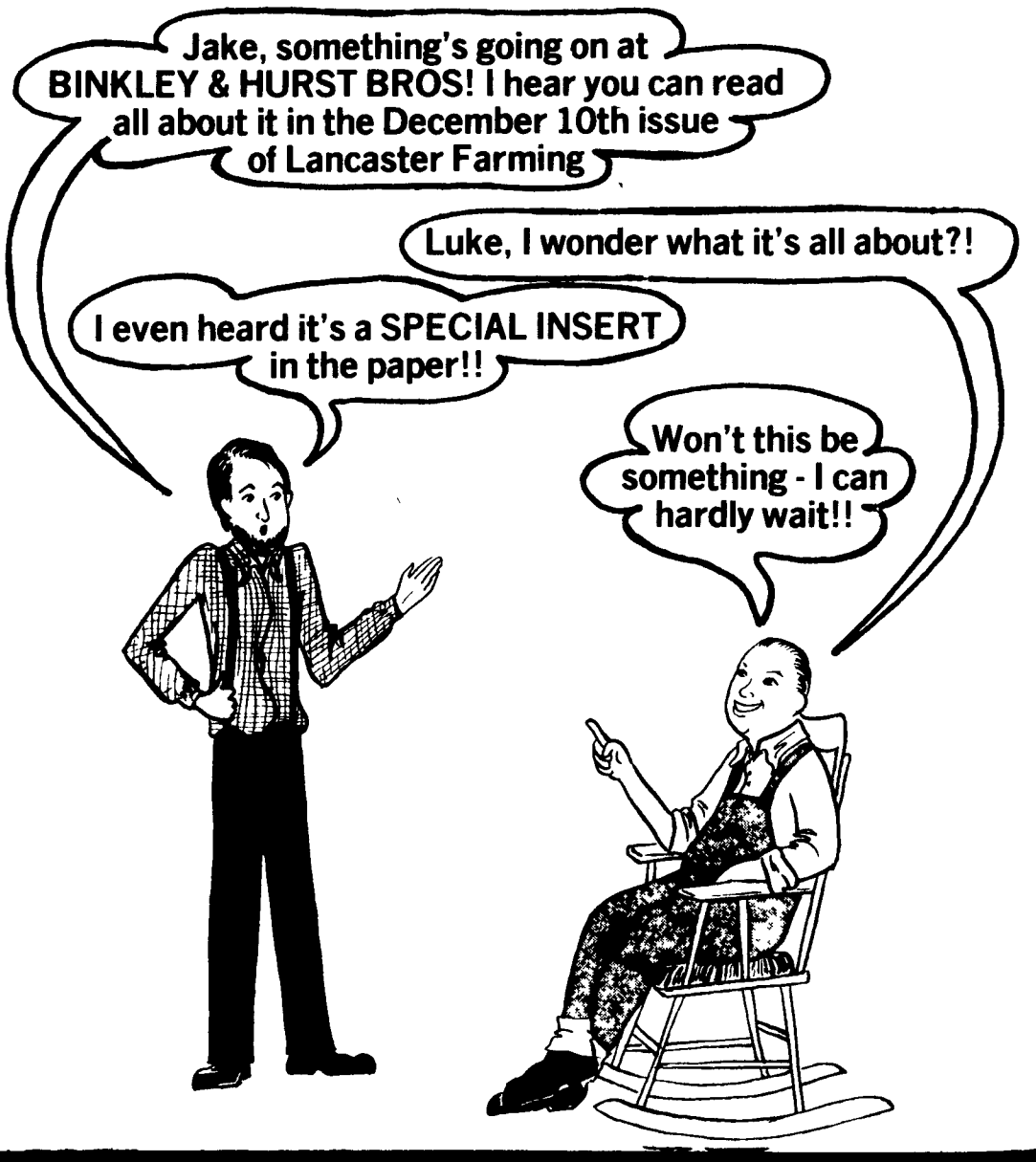
NEW CASE 1290 DIESEL TRACTOR

53 HP, 12 Speed Syncro Shift, 7.50x16 Front Tires, 16.9x30 Rear Tires, Single Set of Remotes, 540 PTO, Live PTO
Serial #11056389
(Roll Bar Optional)

Reg. List.. .. $19,085
DISCOUNT SALE PRICE. **$9,900**

Cash Or Bank Financing

ONE LEFT AT THIS PRICE


Jake, something's going on at BINKLEY & HURST BROS! I hear you can read all about it in the December 10th issue of Lancaster Farming
Luke, I wonder what it's all about?!
I even heard it's a SPECIAL INSERT in the paper!!
Won't this be something - I can hardly wait!!

BINKLEY & HURST BROS., INC.

133 Rothsville Station Rd., Lititz, PA 17543

PH: (717) 626-4705

Hours: Mon.-Fri. 7 AM - 5 PM; Sat. 7 AM - 11:30 AM

case

Livestock market and auction news

Central U.S. Carlot

Tuesday, November 22
Report supplied by USDA

Compared to Monday's 4:00 Report: Steer carcasses steady, Heifer carcasses unevenly steady to $1.00 higher. Demand & trading moderate, offerings for week-end shipment held in firm hands. The gross boxed beef carcass cut-out value advanced $.35 to an estimated $96.60 per cwt., 119 loads boxed cuts reported.

Sales reported on 48 loads of Steer and Heifers carcasses.

STEER BEEF
22 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 91.00, steady; 600-700 lbs. 92.00.

Choice 2 600-700 lbs. 93.00.

Choice 4 600-900 lbs. 77.00, steady.

Good 2 & Low 3 600-700 lbs. 88.50.

Choice 2-3 600-900 lbs. 87.00 (Hols), steady.

Good 2-3 600-900 lbs. 82.00 (Hols), steady.

HEIFER BEEF
26 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 89.00-90.00, steady-1.00 higher; 500-550 lbs. 86.00; 400-500 lbs. 84.00.

Choice 4 500-700 lbs. 75.50, steady.

Good 2-3 550-700 lbs. 86.00.

Good 2 & Low 3 600-700 lbs. 86.00.

COW BEEF
37 Loads
FOB Omaha Basis

Canner & Cutter 1-2 350&up lbs. 69.00 Midwest.

FOB Amarillo Basis

Bkrg Utlty 3-4 450/up lbs. 62.00 West.

Bng Util 2-3 400&up lbs. 64.00 West.

Bng Util 2-3 400&up lbs. 67.00-69.00, mostly 68.00, late Monday.

Canner & Cutter 1-2 350&up lbs. 71.00-72.00, mostly 71.00, late Monday.

PRIMAL BEEF CUTS
3 Loads
FOB Omaha Basis

Choice 3: Hinds (S) 145-190 lbs. 100.00. Fores 130-210 lbs. 80.00-84.00.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS
109 Loads
FOB Omaha Basis

90% Chem Lean Fresh 97.50-99.00, mostly 98.00.

90% Chem Lean Frozen 102.00-103.00.

90% Chem Lean Frozen 102.00 T.I.S.

85% Chem Lean Fresh 92.00-93.00.

50% Chem Lean Fresh 42.00-44.00, bulk 42.00 late.

FOB Amarillo Basis

90% Chem Lean Fresh 100.00-101.00.

85% Chem Lean Fresh 94.00.

50% Chem Lean Fresh 44.00.

Compared to Monday's 4:00 report: Fresh Pork Loins regular trim 14-17 lbs. steady to $4.50 higher. Picnics 4-8 lbs. weak. Skinned Hams $1.50-3.00 lower. Sdls Bellies $1.00-2.50 higher. Trading moderate to active. Demand light to good with best movement on Loins and Skinned Hams. Offerings moderate.

Sales reported on 95 loads of Fresh Pork Cuts plus 11 load of Trimmings & Boneless Processing Pork.

FRESH PORK CUTS

LOINS: (Regular) 14-17 lbs. 75.00-79.50, steady-4.50 higher; 14-17 lbs. 77.00-80.00 Frozen, no comparison; 17-22 lbs. 68.50, no comparison; 22&up lbs. 61.50, no comparison. (Retail Trim) 14-17 lbs. 83.00-86.50, no comparison.

PICNICS: 4-8 lbs. 40.00, weak.

BOSTON BUTTS: 4-8 lbs. 64.50 trimmed, no comparison.

SPARERIBS: 3.5&down lbs. 105.00, no comparison; 3.5-5.5 lbs. 82.00, no comparison.

HAMS (Skinned): 14-17 lbs. 73.50-74.00, no comparison; 17-20 lbs. 71.00-74.00, bulk 71.50-72.00, 1.50-2.00 lower; 20-26 lbs. 69.00, load 71.50, 3.00 lower.

BELLIES (Sdls - Skin On): 12-14 lbs. 49.50-50.00, 1.00 higher; 14-16 lbs. 50.00-51.50, 1.00-2.50 higher; 16-18 lbs. 50.00, 1.00-2.00 higher; 20-25 lbs. 37.00, no comparison.

PORK TRIMMINGS/ BONELESS PROCESSING PORK (Chemical Lean)

72% Chem Lean Trimmings Fresh 54.00.

72% Chem Lean Trimmings Fresh 56.00.

Bnls Picnics Fresh 55.00-56.00.

Bnls Picnics Frozen 60.50.

Jowls Fresh 19.00.

Jowls Frozen 22.00.

St. Louis Cattle

Wednesday, November 23
Report supplied by USDA

Weekly Cattle Review. Receipts this week 1800; last week 3100; last year 2400 as compared to the previous week, Slaughter Steers 1.50-2.00 higher. Slaughter Heifers .50-1.00 higher. Cows mostly 1.00, instances 2.00 higher. Bulls steady. Slaughter supply mainly Choice Slaughter Steers. Around 30% Heifers, 15% Cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1250 lbs. 59.50-60.00, part load 60.50. Choice 2-4 950-1250 lbs. 58.50-59.50. Mixed Good and Choice 2-3 900-1175 lbs. 57.50-59.00. Good 2-3 900-1175 lbs. 55.50-57.50. Mostly Good 2-3 1050-1500 lbs. Holsteins 50.00-54.50.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 900-1075 lbs. 57.50-58.00, package Yield Grade 5 1100 lbs. 48.00. Choice 2-4 800-1050 lbs. 56.00-57.50. Mixed Good and Choice 2-3 800-975 lbs. 54.00-56.00. Good 2-3 750-975 lbs. 51.00-54.00.

COWS: (Closing week sales) boning Utility and Commercial 2-4 32.00-36.00. Boning Cutter and Utility 1-2 32.00-36.00. High Yielding boning Utility 1-2 36.00-38.00. Canner and low Cutter 1-2 28.00-32.00. Shelly canner 1-2 25.00-28.00.

BULLS: Yield grade 1-2 1050-1800 lbs. 42.00-46.00.

FEEDERS: (including around 250 at Wednesday's Auction) Insufficient volume Feeder Steers and Heifers to fully test prices.

FEEDER STEERS: Part load Medium Frame 1: 320 lbs. 60.75. Few Lots Medium Frame 1 and 2: 475-775 lbs. 54.00-56.50.

FEEDER HEIFERS: Few lots Medium Frame 1 and 2: 300-450 lbs. 46.00-60.00.

Conestoga Alfalfa Delivers!

- Excellent Yields
- Long Lasting Stands
- Anthracnose Resistance

Just as the Conestoga wagons delivered protection and security to the early settlers, Conestoga alfalfa delivers important advantages to today's progressive farmer. Hardiness to get through Northeastern winters. Protection from anthracnose and bacterial wilt. Security of high yields. Dependability despite intensive alfalfa management.

The Conestoga wagon earned its place in American history because it delivered what the settlers needed. Conestoga alfalfa follows that tradition. It delivers what alfalfa growers need. So well in fact, that it outsells all our other five alfalfas by a substantial margin.

THAT'S PERFORMANCE!

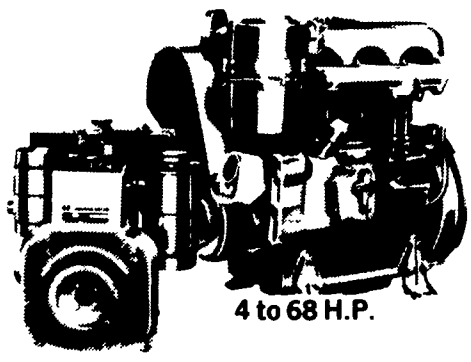
Hoffman FARM SEEDS

...KING
...PENNSYLVANIA 17566
...Northeast Agriculture Since 1899

LOMBARDINI
The Powerhouse

Diesel for Dairy, Shops and Equipment

26 powerhouse models to choose from. We have the right size, weight, shape, price and engine available.



4 to 68 H.P.

Lombardini Diesel Uses ½ or Less Fuel Than Gas Engines
Less Downtime Than Gas Engines

For years Lombardini has been Europe's largest supplier of small, air-cooled diesel engines. Now, after several years in this country Lombardini is the fastest growing line of air-cooled diesels in North America. Lombardini specializes in small air-cooled diesels.

TAKE ADVANTAGE OF:

1. 12 month warranty or 2,000 hours
2. Low fuel consumption
3. Low maintenance.
4. Price per horsepower
5. Easy starting.
6. 100% back-up with parts and service.

DIESELS OUR SPECIALITY, CALL FOR USED DIESELS

Let Us Know Your Service Problems
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DISTRIBUTOR:
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2998 West Newport Rd.
Ronks, Pa. 17572
2½ mile East of Leola - Along 772

PH: 717-786-2173
RD 3, Box 91A
Quarryville, PA 17566
2 miles west of Georgetown on Furnace Road

DEALER INQUIRIES INVITED

Livestock market

Weekly Summary

Frl., Nov. 25

Report Supplied by PDA

Markets: 13.

CATTLE: 4423. Compared wtih 7030 head last week, and 3683 head a year ago. Compared with last week's market:

Slaughter steers steady to 1.00 higher; Sl. cows 50-1.00 higher; Sl. steers: High Choice & Prime No. 3-4, 65.00-67.75; Choice NO. 2-4, 59.50-66.00; Good 53.00-59.50; Standard 47.00-53.00. Sl. heifers: Choice 55.00-60.75; Good 49.00-56.50; (few) Standard 44.00-49.50.

Sl. cows: Utility & Commercial 36.00-41.50; Cutters 33.00-37.75; Canner& L. Cutter 29.00-34.75; Shells down to 20.00. Sl. bullocks: Choice 57.25-60.75; Good 53.00-58.00; (few) Standard 39.00-47.75.

Sl. bulls: Yield Grade No. 1, 1000-2400 lbs. 46.00-51.75; Yield Grade No. 2, 900-1450 lbs. 38.00-47.50.

FEEDER CATTLE: Steers, (few) Large Frame No. 1, 480-640 lbs. 60.00-64.00; Large Frame No. 2, 450-700 lbs. 33.00-42.00; Medium Frame No. 1, 350-600 lbs. 45.00-60.00.

Heifers, Medium Frame No. 1, 300-650 lbs. 38.00-54.00.

CALVES: 3269. Compared with 4530 head last week and 3237 head a year ago. Vealers Good & Choice Grades mostly steady, Standard & Good steady to 5.00 lower. Choice 75.00-94.00; Good 60.00-75.00; 110-130 lbs. 49.00-70.00; 90-110 lbs. 40.00-50.00; 65-90 lbs. 35.00-45.00; Utility 50-110 lbs. 25.00-40.00.

FARM CALVES: Hol. Bulls 90-130 lbs. 49.00-65.00; mostly 50.00-71.00; Hol. Heifers few 90-135 lbs. 48.00-74.00. Beef cross bulls & heifers (few) 70-95 lbs. 44.00-61.00.

HOGS: 6536. Compared with 7367 head last week and 5890 head a year ago. Barrows and gilts steady to .50 higher; spots 1.00 higher. US No. 1-2 200-245 lbs. 40.50-42.00 No. 1-3 200-250 lbs. 40.00-41.00; No. 2-3 200-275 lbs. 37.00-39.50; No. 1-3 140-190 lbs. 35.00-39.00; Sows 1.00-2.00 lower. US No. 1-3 300-585 lbs. 31.00-38.50; No. 2-3 300-650 lbs. 28.00-33.50.

Boars 25.00-27.00.

FEEDER PIGS: 1421. Compared with 2100 head last week and 1274 a year ago. Mostly steady to 4.00 lower. US No. 1-3 20-35 lbs. 7.00-13.00 per head; No. 1-3 35-50 lbs. 11.00-16.50; No. 1-3 50-80 lbs. 16.50-36.00.

SHEEP: 760. Compared with 1423 head last week and 658 head a year ago. Wooled sl. lambs steady to 3.00 lower. High Choice & Prime 80-110 lbs. 51.00-58.00; Choice 75-110 lbs. 38.00-55.00; Good 50-90 lbs. 33.00-43.00. Sl. ewes: 5.00-15.00.

3 GRADED FEEDER PIG SALES: 2849. Compared with 3091 head last week, and 2271 head a year ago. All sales by CWT. Feeder Pigs highly uneven, extremes 8.00 higher to 14.00 lower. US No. 1-2 20-40 lbs. 36.00-64.00, 40-50 lbs. 45.00-67.50, 50-60 lbs. 30.00-62.50, 60-90 lbs. 30.00-59.50; US No. 2-3 20-40 lbs. 25.00-56.00, 40-65 lbs. 18.00-47.00.

Leesport Auction

Wednesday, November 23

CATTLE: 166, of which 36 were Feeder Cattle. Compared with last week's market: Sl. cows .75-2.50 higher. Sl. steers: (few) Choice No. 2-4, 1050-1350 lbs. 60.50-62.75; (few) Good 57.25-60.25; (few) Standard 50.50-53.50. Sl. heifers: (few) Good 49.50-56.50. Sl. cows: Utility & Commercial 36.50-41.60; Cutters 34.25-36.75; Canner & L. Cutter 30.75-34.50. Sl. bulls: Yield Grade No. 1, 1320-1915 lbs. 47.25-54.00; Yield Grade No. 2 880-1240 lbs. 38.00-47.00.

FEEDER CATTLE: Steers, Large Frame No. 2 430-665 lbs. 37.25-42.00.

CALVES: 145. One Prime at 100.00; one Choice at 91.00; (few) Good 71.00-77.00; 70-100 lbs. 39.00-46.00; Utility 50-65 lbs. 25.00-40.00.

FARM CALVES: Hol. Bulls 90-130 lbs. 60.00-80.00.

HOGS: 195. Barrows and gilts .50-.75 higher. US No. 1-2 205-235 lbs. 40.00-41.50; No. 1-3 205-245 lbs. 38.50-40.00. Sows US No. 1-3 265-590 lbs. 30.50-35.50. Boars 24.00-27.00.

FEEDER PIGS: 168. All sales per hundredweight basis. US No. 1-3 28-55 lbs. 46.00-57.00; load No. 1-3 35 lbs. at 65.00; No. 1-3 55-90 lbs. 39.00-50.00.

SHEEP: 28. Wooled sl. lambs Choice 95 lbs. at 40.50; Good 70-80 lbs. 37.00-43.00. Sl. ewes: 8.00-14.00.

GOATS: 24. Few large 31.00-38.00; few Medium 17.00-25.00.

MILK MARKET NEWS

October Milk Collects $13.74

NEW YORK — Dairy farmers who supplied milk plants regulated under the New York-New Jersey marketing orders during October 1983 will be paid on the basis of a uniform price of $13.74 per hundredweight (29.5 cents per quart), according to Market Administrator Thomas A. Wilson. He also stated that the price was $13.75 in September 1983 and $13.81 in October 1982. The uniform price is a marketwide weighted average of the value of farm milk used for fluid and manufactured dairy products.

The seasonal incentive fund returned a total of $4,058,002.20, or $.434 per hundredweight, to the dairy farmers' uniform price for October. This fund was generated by reducing the uniform price paid to producers during the high-production spring months.

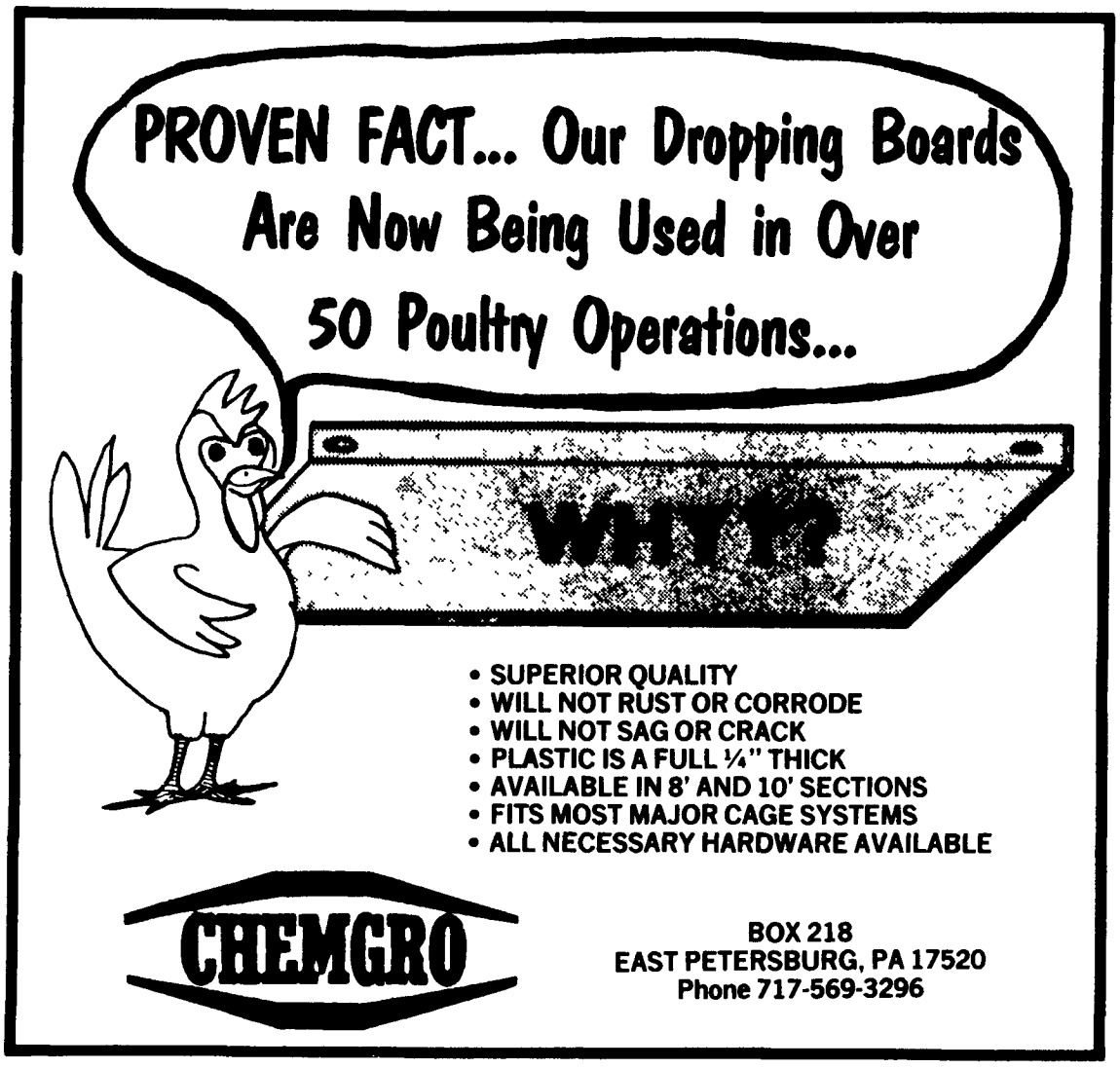
A total of 17,324 dairy farmers supplied the New York-New Jersey Milk Market Area with 935,343,190 pounds of milk during October 1983. This was an increase of 5.4 percent (about 48 million pounds) from last year. The gross value to dairy farmers for milk deliveries was $131,470,055.14. This included differentials required to be paid to dairy farmers but not voluntary premiums or deductions authorized by the farmer.

Regulated milk dealers (handlers) used 386,292,029 pounds of milk for Class I, 41.3 percent of the total. This milk is used for fluid milk products such as homogenized, flavored, low test and skim milks. For October 1983, handlers paid $14.73 per hundredweight (31.7 cents per guart) for Class I milk compared with $14.69 a year ago.

The balance (549,047,161 pounds or 58.7 percent) was used to manufacture Class II products including butter, cheese, ice cream and yogurt. Handlers paid $12.58 per hundredweight for this milk.

The uniform price is based on milk containing 3.5 percent butterfat. For October 1983, a differential of 17.0 cents was applied to the price for each one-tenth of one percent that the milk tested above or below the 3.5 percent standard.

All prices quoted are for bulk tank milk received within the 201-210 mile zone from New York City.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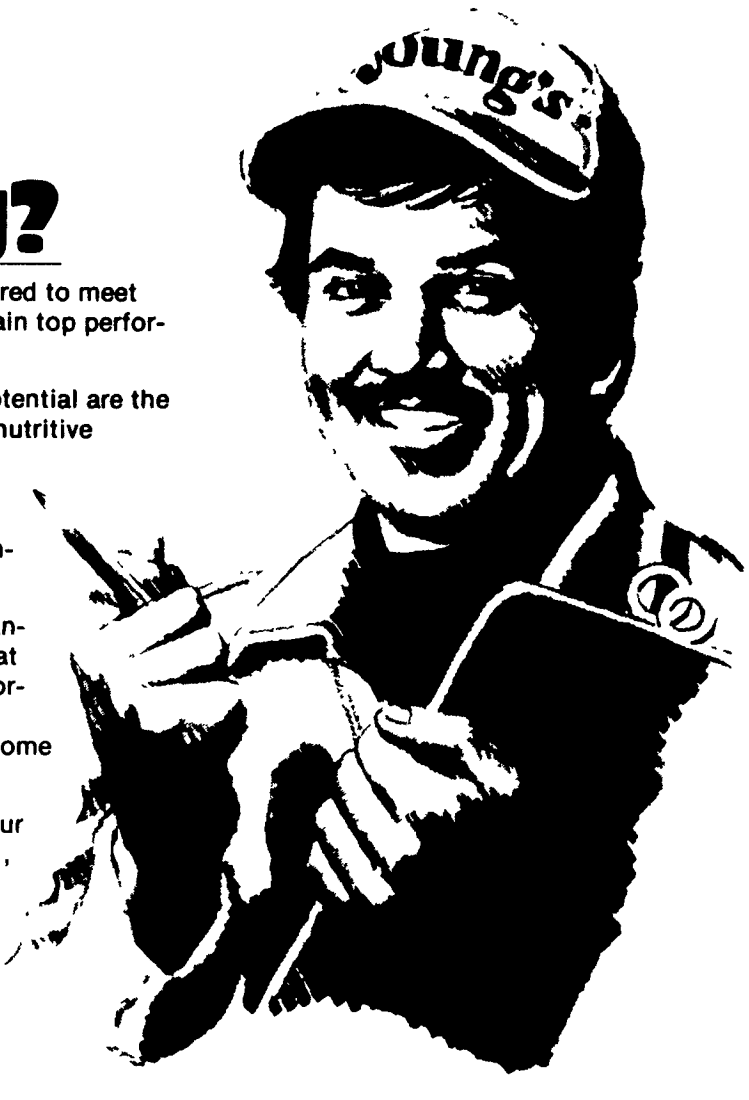

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Livestock Nutritional Services

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Act now to control slugs in corn

NEWARK, Del. — Farmers in some parts of northern Delaware have had trouble with slugs in emerging no-till corn the past few years. "Last spring was the worst yet for slug damage to early no-till corn," says University of Delaware extension agent Dean Belt. A mild winter and extremely wet, cool spring made the problem more severe than usual. A drier, more normal season reduces the chance for injury because corn grows faster and soon gets beyond the 6-inch height which generally seems to be the pest's upper feeding limit.

Certain fall cultural practices can reduce slug infestations, the New Castle County agent says. Some spring cultural practices will also help.

Belt has worked closely with extension entomologists in trying to find ways to solve the slug problem — especially for growers who want to use no-tillage. The scientists say slow growing corn is subject to the most severe injury.

"Farmers with fields that suffered slug damage this year must decide whether to select cropping practices to reduce potential injury next spring, or take the chance on more normal growing conditions and then treat if slugs do attack their corn," Belt says.

Crop rotation is the most effective way to break the slug cycle. For this reason, he suggests planting soybeans in fields where slugs are numerous. Soil surfaces are usually drier when this crop goes in, so it should be less susceptible to injury.

In the fall, he says growers who wish to control slugs should use one of three cultural options:

1 - Plow, chisel plow or disc before planting a cover crop to bury trash that might favor slugs.

2 - Disc or chisel to spread trash and reduce the cover where slugs live, except on critical slopes where erosion is a problem.

3 - For no-till, mow or shred stalks very close to the ground to help spread plant trash more evenly and hasten its decomposition.

In the spring, Belt says it is important to scout fields early for signs of slug activity. Pay special attention to any PIK acres which have a heavy cover.

It may be better to plow, chisel plow or disc no-till fields having severe slug infestations this year, to bury the cover and thus remove places where slugs can hid during the day. This also would allow the soil to dry more quickly and discourage them further. Of course, this practice would reduce a major benefit of no-till — erosion control on rolling land or slopes.

When planting no-till it's very important to close the seed furrow — again, so slugs will have fewer places to hide. For this reason, Belt recommends using cast iron press wheels when possible.

In the past, farmers have had difficulty controlling slug outbreaks with chemicals. Extension entomologist Mark Graustein and pest management specialist Joanne Whalen tested several pesticides last spring and say some looked very good. Belt says their work will continue. He urges growers to check fields carefully as soon as corn emerges for signs of slug damages so timely action can be taken if needed.

The Delaware Cooperative Extension Service will hold field meetings next spring to help farmers evaluate the slug problem, decide when to treat, and determine materials to use. Belt encourages anyone not already on the New Castle or Kent County mailing lists to contact their county extension office so that they can receive notification of these meetings.

In the meantime, farmers can hope slugs won't be so bad in 1984. "If we have a hard winter and a dry spring, maybe the problem won't be with us," Belt says. "But nobody can guarantee that will happen, so it will pay growers to stay on top of the situation by doing everything they can do to discourage slugs."

It's black walnut gathering time

NEWARK, Del. — Nuts are costly at the market, but right now black walnuts are free for the taking. The black walnut tree (*Juglans nigra*) is a Delaware native, and its sweet-tasting nuts can be found along roadways all over the state. Gathering them is a good excuse for an outing on a crisp fall day.

Lying on the ground, black walnuts resemble small green tennis balls. They grow in clusters, and have a peculiar odor, says University of Delaware extension horticulturist Dave Tatnall. It would be hard to mistake them for anything else, with the possible exception of horsechestnuts. To avoid confusion (since horsechestnuts are slightly poisonous) remember that black walnut hulls are rounder and harder to break open. Inside their hulls, horsechestnuts are shiny and smooth like chestnuts, but black walnuts look more like commercial walnuts, although darker and more deeply grooved. The characteristic walnut odor is the final giveaway.

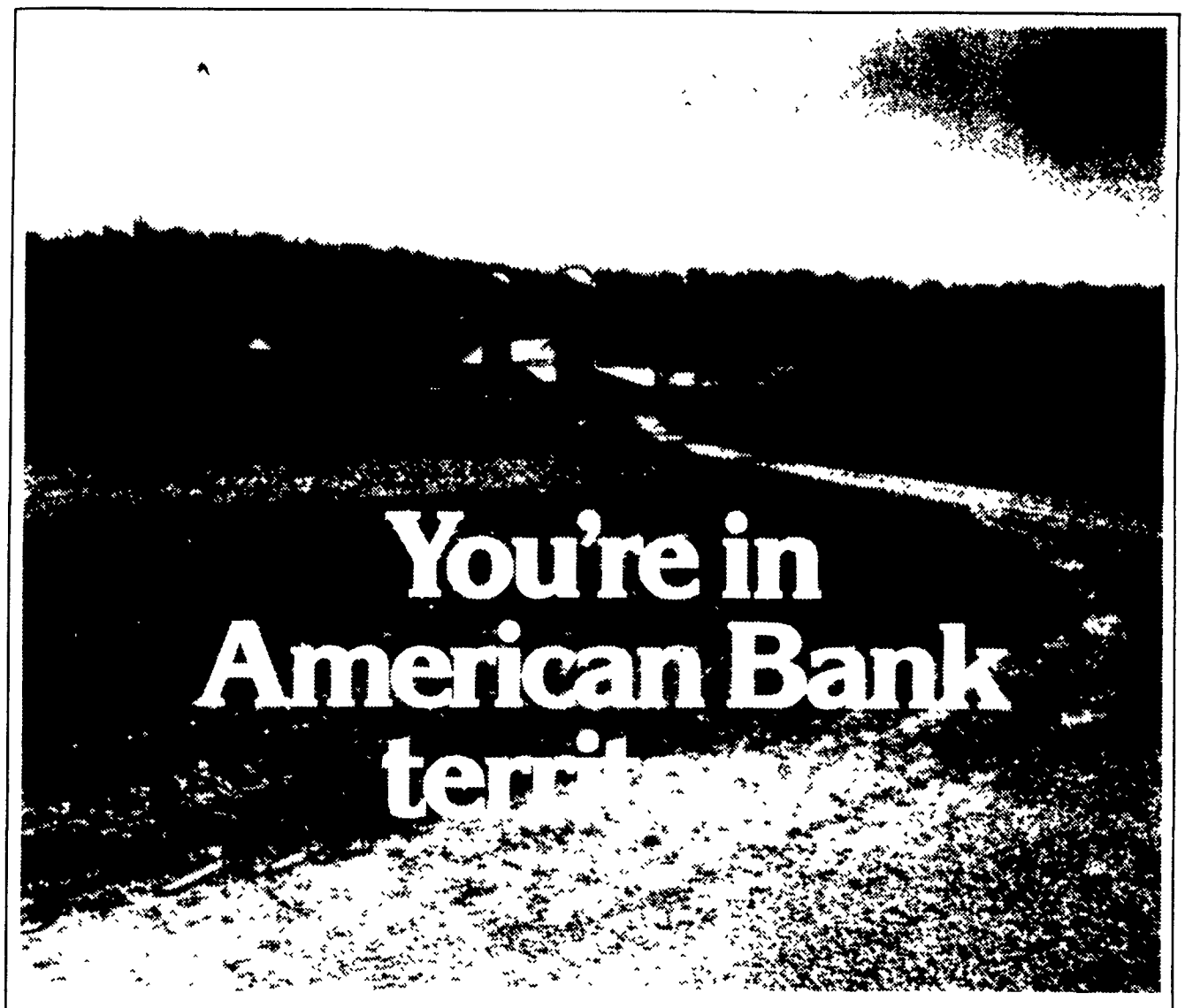
Once you've located and identified some black walnuts, gather them promptly after they fall while the hulls are still fresh and green. If the hulls are left on too long the kernels discolor and develop a strong flavor, Tatnall says.

Mash and remove the hulls by hand, using a heavy mallet, sledge or similar tool. It's best to wear rubber or disposable plastic gloves and old clothes while hulling walnuts, because the juice in the husks contains a stain that's hard to remove.

After hulling, wash the walnuts to remove any remaining juice and bits of husk. Then spread them out in their shells on a table or in shallow containers in a cool, airy place such as a screened porch or garage. There should be no strong odors present which the nuts could absorb. Drying and curing will take three or four weeks, Tatnall says.

Store the cured walnuts in their shells in a cool, dry place until you are ready to shell them for cooking or eating. Shelling is easier if you first soak them in water for several hours, then keep them moist overnight in a closed container. Shelled nuts can be stored in polyethylene bags in the freezer where they'll be ready to add interest to holiday snacks and baked goods.

Serious black walnut fanciers who don't want to search for their favorite treat should plant the "Thomas" variety. Its many advantages include early and heavy bearing, large, thin-shelled nuts that crack easily, and plump, light-colored kernels of good flavor. Tatnall says a vigorous "Thomas" walnut tree may begin to bear the second of third year after planting.



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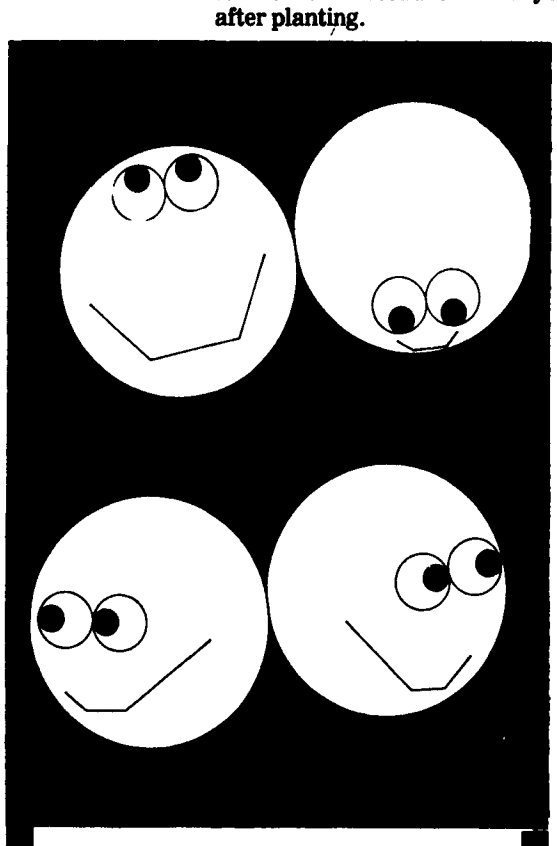

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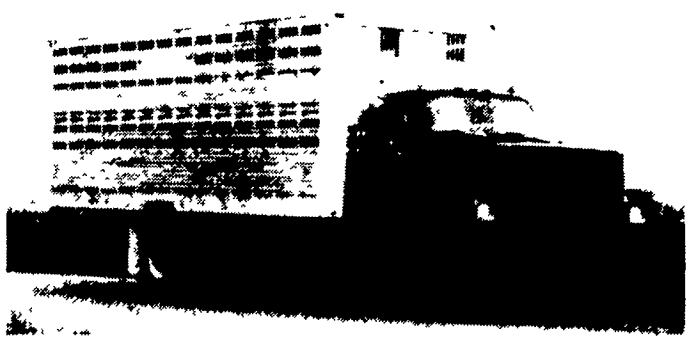

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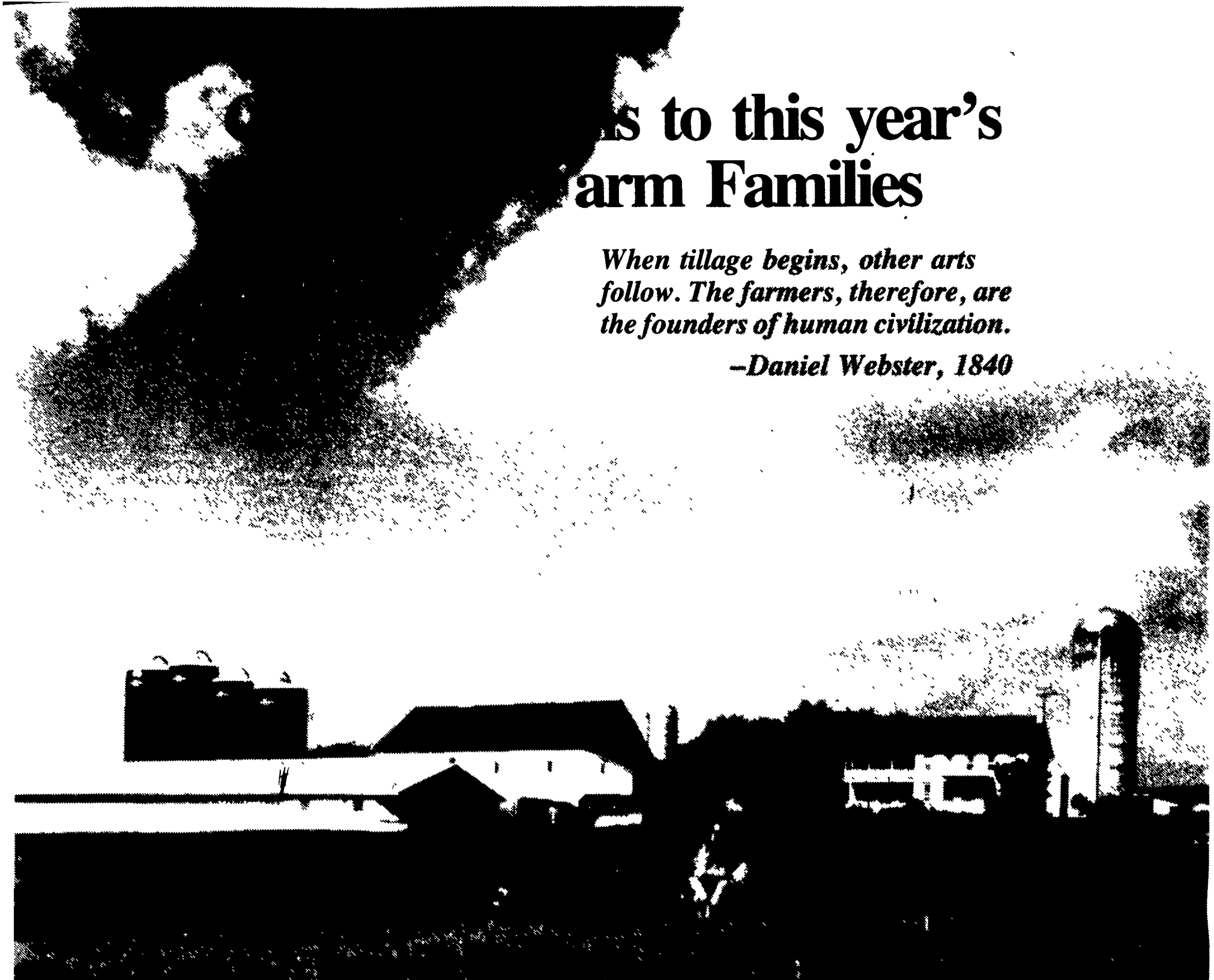

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–Daniel Webster, 1840

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Wismer gets national grange post

HARRISBURG — Charles Wismer, Jr., State Master of the Pennsylvania Grange was elected to the National Grange four-member Executive Committee by delegates at the National Grange convention held last week in San Antonio, Tex.

Wismer will serve a four-year term on the Executive Committee which meets quarterly to oversee the internal workings of the National Grange headquarter's staff. The Committee helps direct decisions on finances and lobbying efforts of the 22-member staff located in Washington, D.C. The 117-year-old Grange is a fraternal farm organization with a national membership of 450,000 consisting of state and local Granges established in 37 states, making it the second largest organization of its type in the U.S.

"It is appropriate that Pennsylvania have a representative on this committee since our state holds approximately 1/10th of the national membership, serving as one of the largest state Granges in the country," Wismer noted.

The Pennsylvania Grange was first established in 1873 and is in the process of seeing a gain in membership which now stands at 42,000. There are 552 Subordinate (local) Granges set in 64 counties with the state headquarters situated in Harrisburg. The Grange, nationally and in Pennsylvania remains active in its historic lobbying role, fighting for legislation that supports the rural and agricultural well-being of the country, as well as interests for the well-being of all people.

Charles Wismer Jr.

State Master Wismer was first elected by the Pennsylvania Grange delegation in 1979 and was re-elected last year for another two year term. A dairy farmer from Montgomery County, Wismer has been largely responsible for many legislative victories for the Pennsylvania farmer. During his term as Master, he has also introduced many new services into the Grange, such as a food cooperative, a credit union, and an insurance program all available to members.

In other convention matters, Perry Valley Grange No. 1804, Millerstown, was awarded first place in this year's Community Service Award program sponsored annually by the National Grange.

Perry Valley's 1983 projects included providing Lifeline equipment, sign language courses and a charity dinner to benefit six local charities. Perry Valley also maintains numerous other community service projects which are on-going from year to year. Perry Valley Grange has 145 members and is located in a rural area 30 miles northwest of Harrisburg. Leonard Gochenauer is the Master and Marian Shade, chairman, of the community service committee.

Grange winners reported

SAN ANTONIO, Tex. — Area winners in contests sponsored by the National Grange were announced during the Grange's annual convention Nov. 14-21.

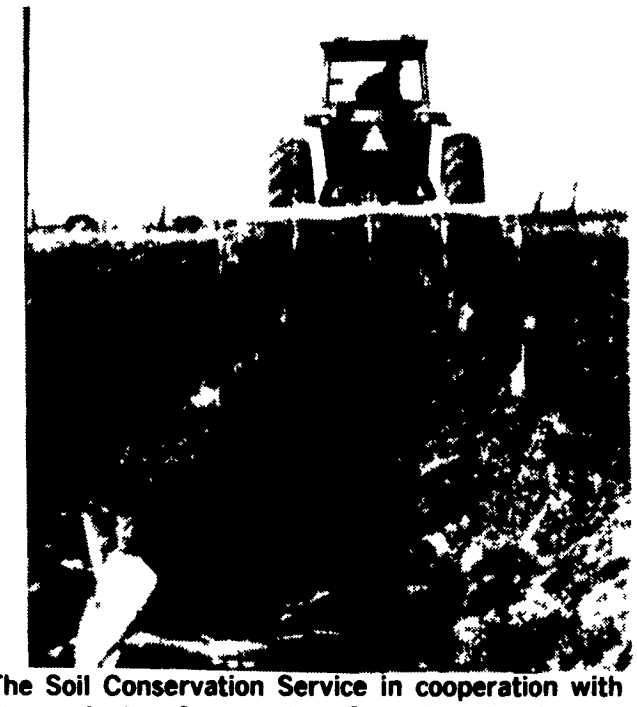
Crowned 1984 Prince, was Michael Pratt, Granville Summit.

Best of show winners in the art contest include' (juniors) Mike Beitler, Schnecksville, and photo contest (juniors) Dawn Powell, Medford, N.J.

Taking first place in the talent finals were (instrumental), Leta Blatt, Leesport.

Junior Grangers were also recognized during the convention. Cayuga Lake Junior Grange, Cayuga, N.Y., was selected Junior Grange of the Nation. Thurmont Junior Grange, Thurmont, Md., won first place in publicity.

Ridge tillage tested



The Soil Conservation Service in cooperation with Penn State and the Cooperative Extension Service, recently started a program to evaluate the concept of Ridge Tillage in Dauphin County. A Buffalo Ridge Cultivator was used on the Richard Leininger and Dave Coble Farms to form ridges this fall. The equipment was provided by Lynn Hoffman of the Penn State Agronomy Research Farm. The demonstration was coordinated by Joel Myers of the Harrisburg SCS Field Office. This concept is being tested on somewhat poorly drained, heavier soils where no till planting has not proven to be successful. Next Spring, corn will be planted using a no till planter on these ridges.

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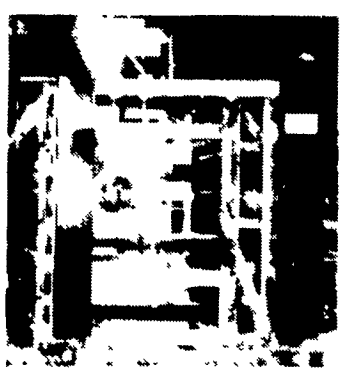

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Adams seeks conservation, waste plans for sludge

BY J.B. ROTH

GETTYSBURG — If the Adams County Conservation District, the Soil Conservation Service, and the Planning Commission have their way, farmers using municipal sludge will have to have a conservation plan and have a waste management plan prior to applying sludge on their fields.

The issue came to a head as a result of four Gettysburg Municipal Authority sludge disposal permit applications for Mt. Joy Twp. that were submitted to the Planning Commission. Planning Director John I. Callenbach and the county commissioners adopted a policy allowing a 30-day waiting period for public comments on proposed disposal sites. The policy prior to August was to make a "no comment" to the Department of Environmental Resources.

The county was concerned that the future may hold problems if the commission did not take every precaution to insure that it was acting responsibly.

The four authority applications were reviewed by the commission in September. Callenbach commented that all of the areas intended for disposal were adjacent to a body of water, three were in the Lake Heritage subdivision, a private community near Gettysburg. Callenbach said the sites drained directly into the lake.

Callenbach noted that sludge disposal was a sensible and beneficial agricultural technique if handled correctly, but could cause problems if handled incorrectly.

The Lake Heritage Property Owners' Association and their attorney contacted Callenbach and raised concerns. They also sent a letter to DER asking that the permits be denied.

As a result of the comments Callenbach consulted with the SCS and the Conservation District for advice. The result was a letter drafted to Robert G. Benvin facilities supervisor of the Bureau of Solid Waste Management.

The letter requested the DER deny the permits unless a conservation farm plan is in force at the site. The plan would require a waste management element and monitoring procedure.

"There is no requirement in the DER sludge permitting system pertaining to agricultural sludge disposal. There are not requirements for conservation plans. We just feel that it should go farther than that. There should be a specific document or plan put together by somebody that knows what they are doing. There really is no reason why sludge shouldn't be applied to agricultural and is basically a management and operations problem," Callenbach said.

In essence, what this might mean, not only for farmers in Adams County, but possibly statewide, is that if DER goes along with Adams County's request, a precedent could be set for similar requirements throughout the state. The ultimate decision would still lie with the township authority, but many local townships are disturbed by their inability to control sludge disposal. The alternative could be that a township might try to prohibit or possibly establish there own permitting procedures.

Callenbach said that the increasing demand for sludge and the contruction of new municipal sewers will increase the number of farming operations utilizing sludge. It is the contention of the commission that the disposal be a well-planned and operated program.

Callenbach said he did not know how DER would react considering that they are in the process of reviewing regulations and plus the conservation District's stance that disposal should be regulated. DER may be favorable to the plan, he said.

Soil Conservation Director Ray Voyer said there were two possible ways the system could work. One way would be to complete a conservation plan for the soil, water conservation, and waste management. The alternative would be to require only the waste management plan. He said that he favored a total plan because of the severe soil erosion problems in South Central Pennsylvania.

Voyer said the Planning Commission was requesting the change in its memorandum of understanding to include this new stance. As a gentlemen's agreement, the actual technical assistance will be requested by the conservation district on behalf of a local farmer. The conservation plan will then be developed by SCS.

The resource management system would allow the farmer and local authorities to be assured that the proposed application of sludge appropriate. The service would be free.

The system would allow a township, to forward the application to the Conservation District for review. Then the Districts recommendation could be accepted or ignored by the township.

"The reason we should be in-

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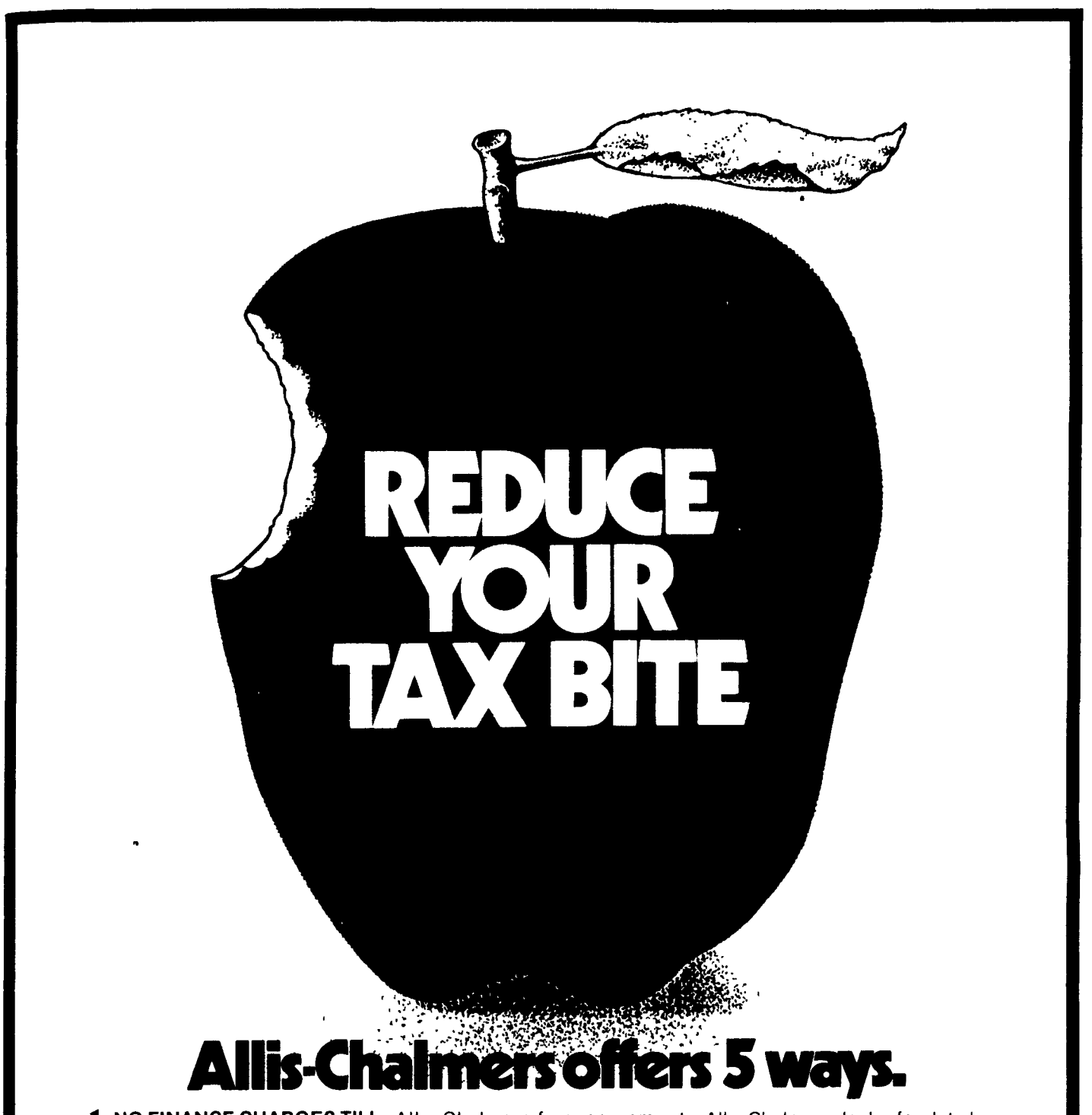

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Eastern Pa. 4-H steer, lamb champs picked

ALLENTOWN — The grand champion steer was exhibited by Andy Wagner, Northampton County, weighing 1238 pounds at the Bucks, Carbon, Lehigh, Montgomery, Northampton and Schuylkill Eastern Pennsylvania 4-H Beef and Lamb Sale, Saturday, Nov. 19, at the Allentown Fairgrounds. The buyer, Danny George of George's Foodliner, Bethlehem, paid 2.65 per pound.

Seth Gruber, Lehigh County, showed the reserve grand champion steer weighing 1258 pounds and was sold for $2.60 per pound. The buyer was Bill Martin of Greensboro, Nc.

The champion light weight steer weighing 976 pounds sold for $1.05 per pound and was bought by Charles Mackenzie, Allentown. The steer was exhibited by Phil McMahon, Montgomery County. Dwaine Schultz, Northampton County, showed the reserve light weight Champion steer, weighing 1011 pounds and was purchased by Danny George, George's Foodliner, for 85 cents per pound.

The champion medium weight steer weighing 1106 pounds sold for 85 cents per pound and was bought by Danny George, George's Foodliner. The steer was exhibited by Lori Cesanek, Northampton County. Debra Krause, Lehigh County, showed the reserve medium weight champion steer, weighing 1180 pounds and was purchased by Al Schaedel, Allentown, for 90 cents per pound.

The grand champion individual lamb, weighing 113 pounds was sold at $2.20 per pound to Denny George, George's Foodliner. It was owned by Dwaine Schultz. The Grand Champion Pair of Lambs, exhibited by Andy Wagner, was purchased by Danny George. The Pair of Lambs weighed 190 pounds and sold at $1.70 per pound.

Andy Wagner showed the reserve grand champion lamb and was sold to Danny George at $1.20 per pound. The lamb weighed 122 pounds. The reserve grand champion pair of lambs, shown by David Schultz, Northampton County, weighing 213 pounds was purchased by Rose Valley Farm, New Tripoli, for $1.05 per pound. The champion light weight lamb was purchased by Harold Fabian, Northampton Farm Bureau, Tatamy, for $1.05 per pound. The lamb weighed 102 pounds and was exhibited by Lori Cesanek, Northampton County. The reserve light weight champion lamb, weighing 103 pounds was sold at 90 cents per pound to Kerby Farms, Zionsville. It was owned by Mark Lazarus, Lehigh County. The Reserve Medium Weight Champion lamb, weighing 110 pounds was sold at $1.20 per pound to Agway, Inc., Allentown. It was owned by Joshua Grim, Lehigh County.

The reserve heavy weight champion lamb, weighing 124 pounds was sold at 90 cents per pound to Rose Valley Farm, New Tripoli. It was owned by Lewis Trexler, Lehigh County.

The sale, as was the show on Friday, was conducted by the Agricultural Extension Service, with the County Agents of the six counties in charge.

Other buyers at the sale were Citizens National Bank of Slatington, Agrico CPS, Pork Chop Hill Farms, Jim and Ann Burns, Russ and Carol Bryant, Gerald P. McMahon, Peters Bros. Meat Market, Inc., John Almer, Lee Wagner, John Skrip, Jr., Charles Schneck, Paul Hower, Ronald Haller, Daniel Palmer, David Schultz, Lazarus Farm Market, Jim Udell, Berks-Lehigh Valley Farm Credit Service, Mrs. C.T. Fuller, Peter Krall, John Scholl, Herring Bros., Nelson Cole, Dave Dunbar, P&J Enterprises, Inc., Danber Farms, Earinger Bros. Meats, Bill Harris (A&B), Albright's Mill (A&B), Paul Gibson (A&B), A&B Packing Co., Gillespie Electric, Witstan's Butcher Shop, Ontelaunee Lions Club (Lester Loch), Bill Martin, Warren Loch, Gunther Heussman, Frank Soldridge III, Farm Bureau (Mr. Marriott), Perkiomenville Livestock (Robert Landis), The Warner Group Mass. Mutual Life, Bob Skrip (Pheasant Run Farms), Marsteller Grain, George V. Seiple & Sons and Hartman's Roofing.

Average price per pound of the steers with the Grand Champion included was 89 cents per pound, without the top two, the average was 76 cents per pound. Last year's averages were $1.00 and 92 cents.

Average price per pound for the lambs with the Grand Champion included was 79 cents per pound, without the top four, the average was 74 cents per pound. Last year's averages were 87 and 85 cents.

The total sales of the 31 steers in the sale were $31,174.46. The total sales of the 88 lambs in the sale were $7,546.05.

BEEF

1 Phil McMahon, Green Lane Montgomery County Light Weight Champion 2 Janet Poliskiewicz, Bangor, Northampton County, 3 Charles Baddeley Warminster Bucks County

Heavylight

1 Dwaine Schultz, Nazareth, Northampton County, Reserve Light Weight Champion, 2 Jane Sikorski, Emmaus, Lehigh County, 3 P J Kulp Collegeville, Montgomery County

Light Medium

1 Lori Cesanek, Northampton, Northampton County, Medium Weight Champion, 2 Glen Wuchter, Northampton, Northampton County, 3 Jeff Poliskiewicz, Bangor, Northampton County

Heavy Medium

1 Debra Krause, Slatington, Lehigh County, Reserve Medium Weight Champion, 2 Steve McMahon, Green Lane, Montgomery County, 3 Frank Fragnito, Slatington, Lehigh County

Light Heavy

1 Andy Wagner, Bethlehem, Northampton County Heagy Weight Champion & Grand Champion 2 Seth Gruber, New Tripoli Lehigh County Reserve & Heavy Weight Champion & Reserve Grand Champion, 3 Willi Wilson Mertz town, Lehigh County

Heavy Heavy

1 John Skrip III, Breinigsville, Lehigh County, 2 Bonnie Wessner, New Tripoli, Lehigh County, 3 Gavin Grim, Mertztown, Lehigh County

CHAMPION TRIO Lehigh County with Seth Gruber, New Tripoli, Debra Krause, Slatington, Willi Wilson, Mertztown

Light Light

Sheri Lazarus, Germansville, Lehigh County, 2 April Lazarus, Germansville, Lehigh County, 3 Nicole Trexler, Germansville, Lehigh County

Light Heavy

1 Lori Cesanek, Northampton, Northampton County Light Weight Champion 2 Mark Lazarus Germansville, Lehigh County Reserve Light Weight Champion, 3 Kevin Reinert Slatington Lehigh County

Medium Light

1 Joshua Grim, Breinigsville, Lehigh County, Reserve Medium Weight Champion, 2 Jessica Stevens, Doylestown, Bucks County, 3 Geoffrey Harvey, Pipersville, Bucks County

Medium Heavy

1 Dwaine Schultz, Nazareth, Northampton County, Medium Weight Champion & Grand Champion, 2 David Schultz, Nazareth, Northampton County, 3 Ruth Grim, Breinigsville, Lehigh County

Heavy Light

1 Andy Wagner, Bethlehem, Northampton County, Heavy Weight Champion & Reserve Grand Champion, 2 Lewis Trexler, Germansville, Lehigh County, 3 Marie Palmer, Bangor, Northampton County

Heavy Heavy

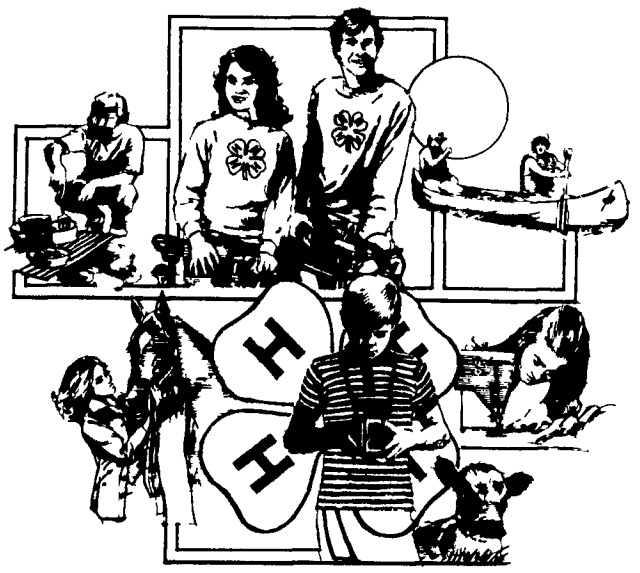
1 Kathy Moss Perkasie Bucks County 2 Willard Strouse, Pen Argyl Northampton County 3 Arthur Yoder, Doylestown, Bucks County

Light Weight Pairs

1 Andy Wagner Bethlehem, Northampton County, Champion Pair, 2 Scott Lazarus, Germansville, Lehigh County

Heavy Weight Pairs

1 David Schultz, Nazareth, Northampton County, Reserve Champion Pair 2 Ruth Grim, Breinigsville, Lehigh County, 3 Lewis Trexler, Germansville, Lehigh County



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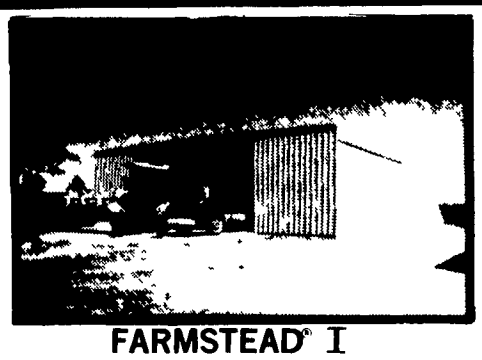
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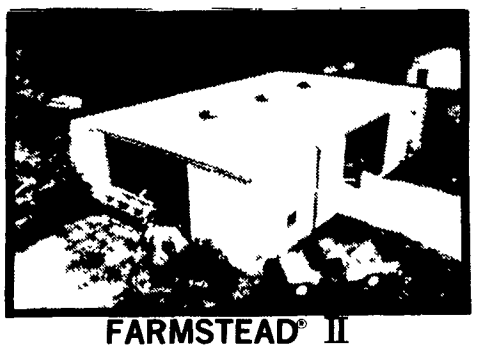
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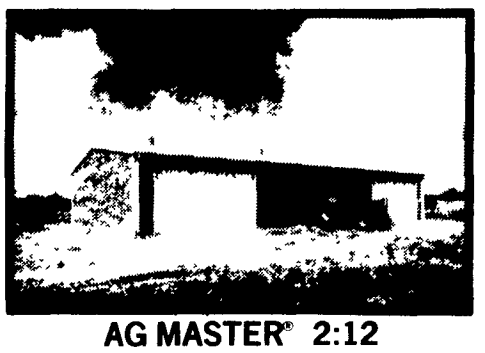
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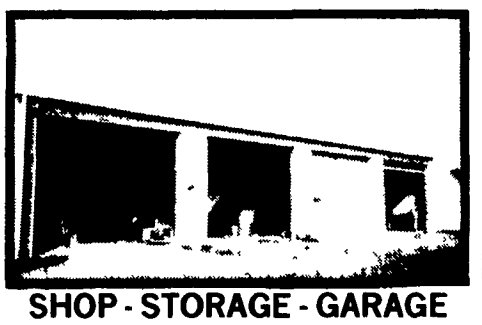
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York 4-H dairy club awards presented

BY JOYCE BUPP
Staff Correspondent

BAIR — York County 4-H dairy club members wound up a busy year with awards, a milk promotion movie and an array of tempting covered dish creations for their annual banquet, Nov. 18, at the 4-H center.

Highlight of the fourth annual 4-H dairy awards banquet was the presentation of trophies to outstanding members from each of the county's four regional dairy clubs.

Named the outstanding senior members for the year were David Krone, Glen Rock, for the Southwest dairy club; Chad Rutter, York; White Rose club; and Lesley King, Delta, Milk and Money club.

Outstanding junior member trophies went to Matt Kessler, York, of the White Rose club, Lisa Kilgore, Airville, representing the Milk and Money club, Jenelle Boyer, York, Central dairy club, and Downa Doll, Glen Rock, Southwest.

Four first-timers in dairy project work took home outstanding rookie honors. Selection of Milk and Money rookies resulted in a tie between Tim Fitzgerald, Delta, and Randy Gross, Airville. Central club's award went to Annie Rauhauser, Dover, and the winner from the Southwest club was Shannon Doll, Glen Rock.

Presented awards for first place in the junior dairyman's contest, held during the 4-H fair, were Edwina Johnson, Airville, in the senior division, and Rich Bupp, Seven Valleys, junior division.

Members named top showmen and fitters during the annual dairy roundup received gift certificates. Recipients in the showmanship division were Jenelle Boyer, York, Jana Beth Fantom, Delta, and Mike Welsh, East Berlin.

Welsh earned a second certificate as senior winner in the fitting category, along with Angie Shoemaker, Dover, and junior winner Kimberly McCleary of Stewartstown.

Winners in breed competition at the dairy roundup were recognized during the awards presentations.

Holstein breed honors at the roundup went to David King, with the senior and grand champion, C.E. Hubbard III, reserve senior and grand, Bridgette Boyer, junior champion, and Lesley King, reserve junior champion.

David Krone took the top spots in the Brown Swiss exhibits, winning the junior, senior and grand champion awards. All three reserve honors were won by Mike Welsh.

Senior and grand champion in the Guernsey show brought recognition to Paul Rauhauser, and Jenelle Boyer exhibited the reserve place senior champion. Chad Rutter's entries claimed the junior and reserve junior, as well as the reserve grand awards.

Jersey awards were split between Sue Eisenhart, exhibiting the junior, senior, reserve and grand champions, and Andrea Kauffman with the reserved junior and senior entries.

Participants in a variety of state, national and regional contests also received recognized during the program.

Three dairy bowl teams participated in regional competition. Members of the junior team were Rich Bupp, Bridgette Boyer and Tim Warner.

Outstanding achievement awards went to several York County 4-H dairy members. Among the recipients were, front from left, Matt Kessler, Shannon Doll, Annie Rauhauser and Jenelle Boyer; and back, from left, Lesley King, Chad Rutter and Downa Doll.

Two senior teams represented the county at regionals, with Dave Krone, Peggy Klinedinst and Tim Fitzgerald on Team I, and Patty Bupp, Kelly Diehl and Lesley King on Team II.

Members of the senior state days team, which won the state title and third place at the national contest in Louisville, Kentucky, were David Krone, Peggy Klinedinst, Patty Bupp and Lesley King.

The county's dairy judging representatives to the spring judging contest at Penn State included Kelly Kilgore, Lisa Kilgore, C.E. Hubbard, III, Lesley King, and Bridgette Boyer. Lesley King and C.E. Hubbard III participated in regional judging clinics.

Representing the county at state days in dairy judging were members Scott Cooper, Dan Hurley, Heidi Von Lange, and C.E. Hubbard, III.

All-American judging forum participants were Scott Cooper, John Hash, and C.E. Hubbard, III.

York also sent a team to the Junior Dairyman's contest at Timonium with members John Hash, Scott Cooper, Patty Bupp and Lesley King.

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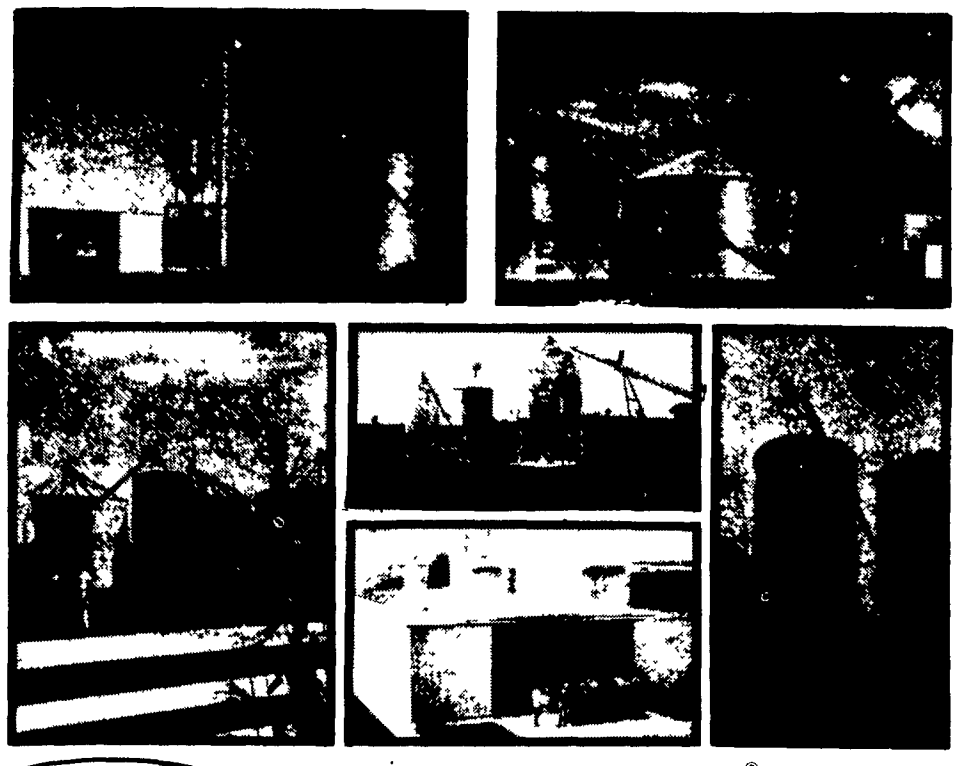

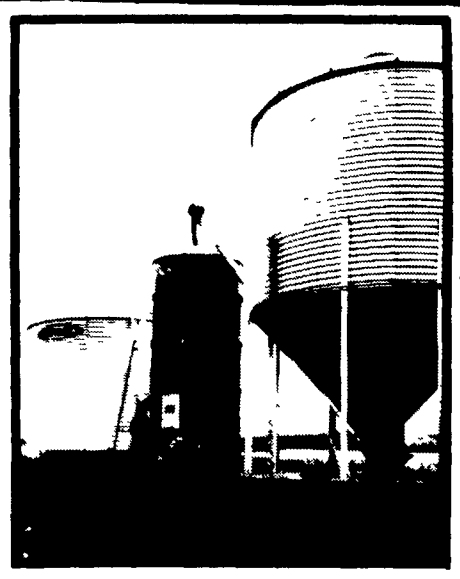

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Charles farm symbol is ever-flowing well

BY DICK ANGLESTEIN

MOUNTVILLE — Deep in the bedrock of the J. Clayton and Dorothy B. Charles farm along Habecker Church Rd. south of Mountville lies an unseen symbol of agricultural heritage that spans more than two centuries.

Daily it serves as a continuing symbol of the steadfastness and tenacity of a family that has held together an agricultural operation through six generations and across 209 years.

That symbol is a 30-foot-deep hand-dug well that has never failed to sustain the livestock, the land and its Charles stewards all those years.

"Last fall about this time, the well got to its lowest point – about seven inches of water," Clayton Charles explains.

"Usually there's three to four feet in it – plenty for us and the 80 or so cows.

"We extended the pipe just a bit. And then after the shortest day of the year, the well started to come back – just like the old saying goes."

Perhaps, the comeback of the well further symbolizes the convictions of those in agriculture who believe that despite setbacks of weather, disease or misfortune unseen forces will help guide them on the road back.

Certainly, it's the stuff that molds Century Farms and particularly the dean of this year's Lancaster County group that dates back in the Charles family to 1774 – a couple of years before the nation was born.

And just as the Charles farm stands at the head of this year's Century Farms at age 209, it presents a unique appearance amongst the rolling farmland of Manor Township.

In an area of predominantly rich limestone soils that account for the unusual fertility of Lancaster County, the large house that even predates Charles occupancy is built of deep brown sandstone with some streaks of charcoal hues.

"We believe that the stone came off a small nearby quarry," Clayton explains.

"There's another neighboring house built of sandstone, but it's covered with stucco."

Up to five years ago, the Charles home was also stuccoed, but the family restored it to its original state, repointing the stone with a darker mortar and blending the home, barn and other buildings together with a deep, rich shade of brown.

Throughout the house are visual evidences of its stately age, pegged beams, arched basement area for summer storage, narrow steps to the second floor and fluted decorative scheme around doors and windows.

But most unique are the upstairs fireplaces which are hand-carved but are painted black with decorative veining to resemble marble.

Dorothy Charles is the historian of the family and traces some of the early history.

"The original Charles homestead was across the road," she explains.

"Jacob – Clayton's great, great,

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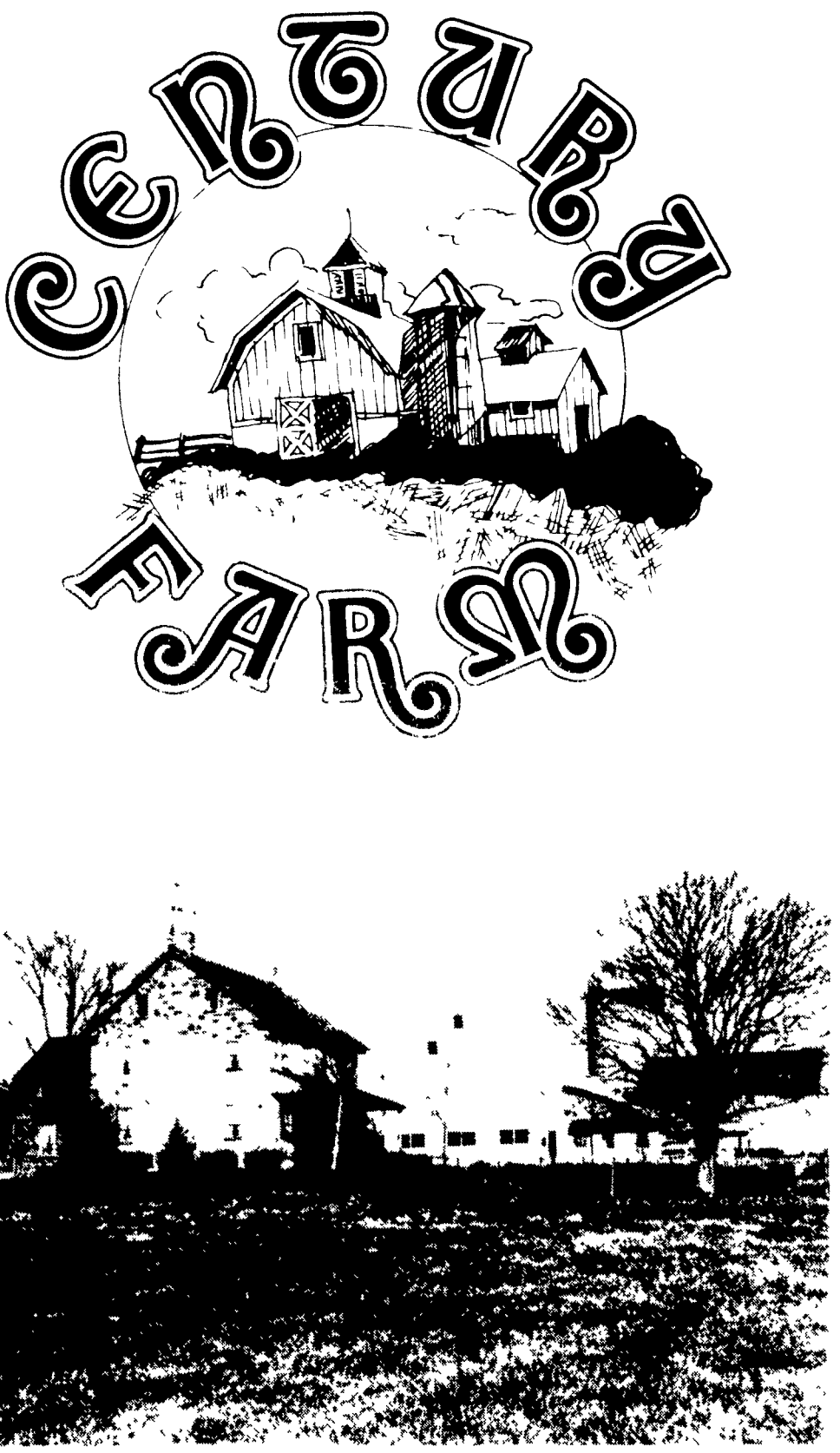
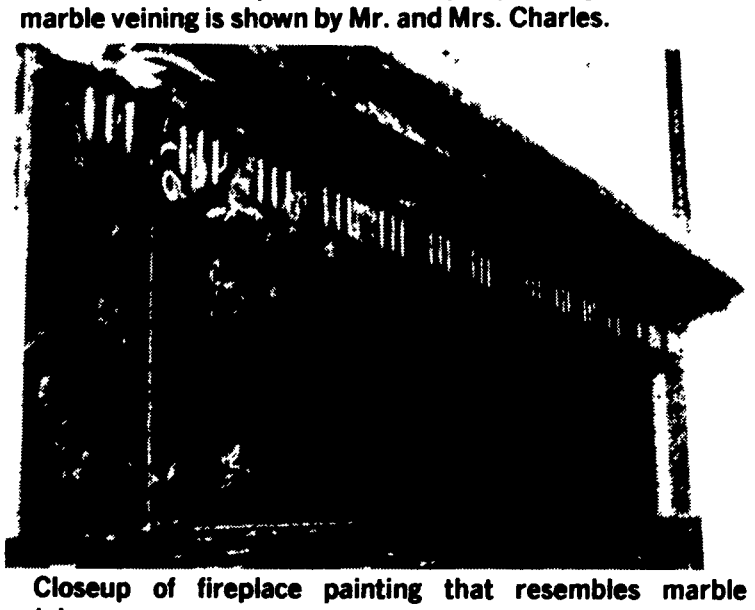


The J. Clayton and Dorothy B. Charles farm with large sandstone house.

Hand-carved fireplace with unique painting to resemble marble veining is shown by Mr. and Mrs. Charles.



Closeup of fireplace painting that resembles marble veining.

Fourth generation continues farming tradition

BY KIMBERLY HERR

STRASBURG — Nestled deep in a valley off Bunker Hill Road, the Krantz homestead is not visible from the road. Traveling down the long lane that eases over slight hills, a visitor spies the farm buildings one by one, first the barn, then the house and finally, the "summer house."

Nosy heifers peak through fence rails and two boisterous dogs - one a sprite collie puppy and one an old black mixed breed that hobbles on arthritic legs - greet the visitor.

The thick, gnarled grapevines on the arbor boast more than one hundred years of age.

The atmosphere seems much the same as it must have been when John Krantz started farming in 1864. His father-in-law, Peter Herr, bought the farm for him.

What he began over 100 years ago is being continued, if slightly altered, by Paul and Emma Krantz and their family, recent recipients of one of the Century Farms awards for working farms who have remained in a family for at least 100 years.

Paul, born and raised on the Lancaster County farm, is the fourth generation Krantz on the farm, while his three children, two of whom still reside on the farm, make the fifth generation.

And regardless of the initial appearance of their farm, the fourth and fifth generation Krantzes have seen some significant changes.

Paul and Emma bought the farm from Paul's father in 1968 when it housed a milking herd, but when their two oldest daughters left for college and art school, milking got

(Turn to Page A24)

The solar panels on the front porch roof are an indication of some of the changes that have taken place over the years.

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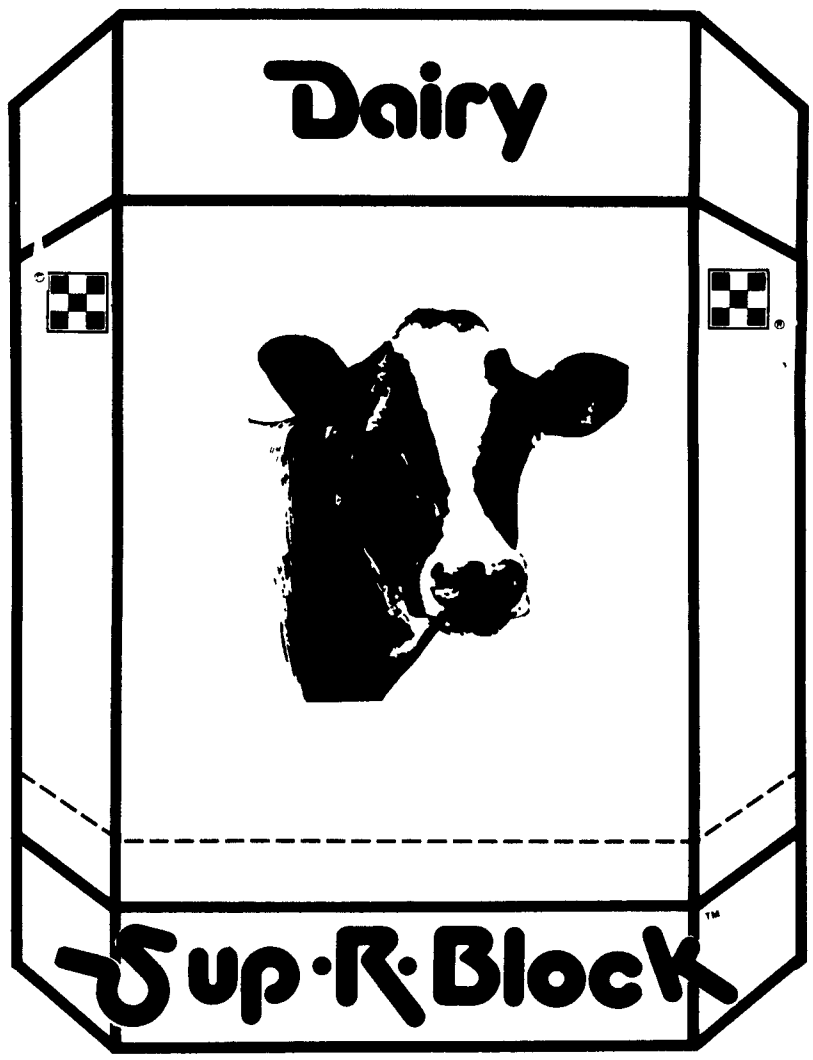

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Fourth generation Farming tradition

(Continued from Page A22)

to be too much work for just Paul and Emma. Their third daughter, Patti, is eight-years-old.

"We slowed down so we didn't have to quit farming," Paul said.

His farm now houses 80 Holstein heifers, which are sold as replacement heifers. Paul can remember when his grandfather had 12 cows, and that was considered an average herd size.

Another difference is the way Paul farms the land.

"Conservation change is the biggest difference," Paul said.

He explained that the land has been contoured since about 1940, but he included waterways and terraces in 1970. The farm now has a pond, located adjacent to the house, which catches all of the runoff water. This prevents pollution from the farm from running into nearby rivers and streams.

"Very little soil leaves the place now," Paul said.

Another new addition are the solar panels located atop the front porch roof. Hardly visible at first, they are proof that the farm has kept up with the times.

Not all of the changes have been physical alterations. Some have affected people.

"Farm women have to work harder than they ever did," Emma said. "Years ago, we could afford to hire a hired hand more than we can now."

But while some changes have been necessary, a feel of permanence pervades the farm.

When the farm was originally purchased it had 82 acres, it still boasts the same amount today. The grape arbor has also remained, as has the "summer house," which is now being used for storage.

The original part of the home built in 1830, before it belonged to the Krantz family, still stands, however, additions have been made.

Will the fifth generation continue the farming tradition, adapting the farm to changes that may take place in the future?

The question remains unanswered as Paul states firmly, "I haven't said I'm ready to quit yet."

Emma and Paul Krantz represent the fourth generation to live on the Krantz farm, located off Bunker Hill Road, Strasburg. Their daughter, Patti, eight-years-old, thinks she may enjoy farming when she gets older.

The Krantz homestead is nestled in a picturesque valley in Strasburg, Lancaster County. The farm pond catches almost all the runoff, preventing pollution from the farm from running into nearby streams and rivers.

Farm remains in family name 101 years

WASHINGTON BORO — For the past 101 years, a small farm located in Manor Township, southeast Lancaster County, has been the home for descendants of the Jacob Hershey family.

Elizabeth Shearer displays a water pump, an original structure on the farm which was established in 1840.

Now owned by Clarence Shearer Jr. and his wife, Grace, the farm has been the homestead for six generations of the Hershey family. A seventh generation of the Hersheys has been born, and as Grace pointed out, the farm has the possibility of continuing in the family name.

The parents of four girls and one son, Grace and Clarence said they hope their son, Rich, will follow in the family footsteps. Rich, 18, is married as are his sisters Bonnie, 26, Vickie, 24, and Jane, 21. All four are parents - the children representing the seventh generation. Daughter Pam, 14, is the youngest and is still in high school.

The history of the Hershey-owned farm had its beginning in 1882 when Jacob bought the farm from his mother. Raised on the farm which was originally established in 1840, Jacob farmed the 32 acres located along Anchor Road in Washington Boro until he sold the land to his son, Eusebius.

Following the footsteps of his father, Eusebius remained on the farm, but in addition to working the land he also taught school. Eusebius graduated from Millersville State College with a degree in education and taught at a little schoolhouse, Spring Valley School, which was down the road from the farm.

Eusebius, the father of two, sold the farm to his son Harry. Harry also farmed the land, sharing the responsibilities with his wife and daughter, Elizabeth, who currently lives on the farm with her son Clarence and his wife and family.

Representing the fourth generation of Hersheys to own the farm, Elizabeth farmed with her parents after completing the eleventh grade of high school. Married to the former Clarence Shearer, Elizabeth said she decided to settle on the farm with her parents and help them. This was during the Depression era.

"At that time," Elizabeth said, "we raised just corn, tobacco, wheat and hay. We had milking cows at one time which we milked by hand."

Elizabeth said she enjoyed growing up on the farm and wouldn't have stayed if she didn't like it. Her sincerety towards farming was passed on to her son, Clarence, who now enjoys living on

(Turn to Page A25)

Charles farm

(Continued from Page A22)

great grandfather – married a neighbor girl and came to this farm.

"The Charles' holdings later grew to more than 500 acres in the area.

"The family came from Switzerland in 1734 and stayed for a time in Germantown. They came to Lancaster in 1742 and the patent from the Penn family on the original homestead dates back to 1752."

Dorothy goes on to read about Jacob Charles, the son of immigrant Henry Charles who married the neighbor Neff girl andcame to the farm across the road which they now work as the sixth generation.

"His physical stature was large.

"His mental equipment was in good order.

"And in his last year – the 98th of a long and productive life – he still walked the 14 miles to and from Lancaster."

With a start on the farm like that, it's no wonder that it heads this year's Century Farms.

Now it makes me wonder if Jacob dug the original well that still serves the farm.

If so, his legacy continues to flow on.

Passing down a family farming tradition

BY TRISH WILLIAMS

PLEASANT GROVE — It's a daily thanksgiving. It's that unique agrarian blood component that doctors have not been able to isolate or identify, that compels those raised on a farm to return to their roots. It's the closeness to neighbors, nature, and creation. And it's a parent's desire to see their children carry on a family tradition, a way of life.

It's all these things that in a miraculous fashion weave together the fabric that gives the family farm strength and unity enough to endure, even through the toughest farming times.

It is without a doubt this very farming heritage that fills the Charles Tindall family with pride as they speak of the generations of their family that have farmed their 160 acre farm in the small village of Pleasant Grove.

Charles "Chick" Tindall, his wife, Labertha, and two of their children, Jeff and Delinda, still live in the house that was occupied by the first of Chick's ancestors to own the farm. A third son, Rick, lives nearby and works as a carpenter.

Only three miles north of the Mason-Dixon line the stone and brick house is rich with history. Made of native stone, the original stone farmhouse was built in 1814. The walls were laid up with mud mortar, and could only be raised three feet at a time, allowing the mud mortar to dry and set completely before building higher. An addition was later constructed of conventional mortar and soft brick. The complete structure consists of more than 30 rooms.

The house and adjacent "double decker" barn have Peach Bottom slate roofs. Jeremiah B. Haines was the original owner of the house. He used the brick addition as a store from 1822 to 1843. For a time, around 1824 the residence was known as Huttons Tavern, serving both local residents and visitors traveling by boat on the nearby Susquehanna River.

Silas S. Herr, Tindall's maternal great grandfather and his brother David bought the farm in 1882. The Herr brothers lived on the farm for year prior to the purchase, paying a widow's dower to the widow of

(Turn to Page A26)

Jeff and Delinda, left, like their parents Charles and Labertha, have a love of the farm and home that has been in their family for 101 years. It will be up to them to uphold the family farming tradition.

Charles, Delinda and Labertha Tindall stand before their stone and brick home. The old brick end of the house was used as general store until 1969, and also served as the Little Britian Post Office.

The old "double decker barn" on the Tindall farm is made of hand hewn beams and wooden pins. Charles believes it was built over 150 years ago, and it is still used today for replacement heifers.

Farm remains

(Continued from Page A24)

the farm with his family.

In addition to farming, Clarence is self-employed as a painter. He said the small size of the farm lends itself to his two occupations, explaining that as little as it (the farm) is, he can keep painting and vice versa.

In his farming operation, Clarence continues to grow the crops his great-great-grandfather raised. He also raises feeder cattle which he sells in the fall.

Just being together as a family is one reason why the Hershey family descendants have stayed on the farm. "We're happy here," Clarence said and added with a laugh, "They'll probably have to carry me away from here."

Until then, Clarence said he plans to keep improving the farm and keep it stable. Adding a meadow fence and continuing to modernize both the farm buildings and the house, built in 1835, are just some of his goals.

This 32-acre farm, owned by Clarence Shearer Jr., Washington Boro, has been in the Hershey family name for 101 years.

Elizabeth Shearer, left, and her daughter-in-law, Grace Shearer, represent the fourth and fifth generations to live on the farm purchased by Elizabeth's great-grandfather, Jacob Hershey.

Farming tradition

(Continued from Page A25)

Jeremiah Haines.

The Herr brothers ran a general farm, as was the custom in that day, and ran the store. In the store was the U.S. Post Office for the community, known at that time as Little Britian, and later as Pleasant Grove.

Today the Tindall's operate a dairy on the Pleasant Grove Farm. Milking 51 Holsteins in tobacco barn that has been converted into a stanchion barn the Tindall's herd averages around 15,000.

Labertha, who grew up on a farm "just over the hill" recalls working in the store. "The store was run continuously by the family or renters from 1882 to 1969. I used to help my mother-in-law in the store. We sold quite a variety of things, including sows ears and pigs feet. We even sold our own dressed chickens."

Digging through old store ledgers found in an antique safe, Labertha has learned much about how the store operated in the early days. The ledgers show the names of regular customers to the store. Many people bartered rather than paying cash for items. Research done by Howard Feather uncovered the occupations of many of the store patrons. They were farmers or were employed in operating the Peach Bottom ferry, at a fishery, two potteries, two quarries, and six tanneries.

Labertha recalls while she worked in the store many of the patrons were migrant workers who came to pick local fruit and vegetable crops.

Chick fondly reflects, "When I was a boy there was a pot-belly stove in the store. The local men use to gather around the stove in the winter and swap stories while waiting for the mail to be delivered."

When a second power line came across the farm in 1969 the tenant house where Chick and Labertha lived was razed and they moved into the big stone house with Chick's parents. At that time they closed the store. Recently Chick and his son Rick have refinished the brick end into two apartments.

"What we hope to do is rent the apartments out for several years to pay for the remodeling," explained Labertha. "Then when Jeff gets married he and his wife can live there."

The Tindall's desire to see the farming heritage passed down through the generations, fosters this type of planning.

"You have to be lucky to have a farm in the family for generations," Chick relates. "You have to be born into it, you can't buy a Century Farm. But you also have to be interested in keeping your children involved. We are trying to help Jeff get started. I know when a young man sees his buddies making more money, working less hours, it's tempting to leave the farm. I left the farm for about a year when we first got married, but there was a strong pull back too. Farming is in my blood."

Delinda the youngest, feels the isolation of being located so far from the bustle and convenience of urban centers.

"I think I'd like to move to California," she spritefully announced.

And yet, she knows the history and lore of the farm and house as well as her parents. Her pride in her family's heritage will likely bring her back, says her mother.

Labertha, 21 years ago, after Jeff was born, was given only three to six months to live when see was diagnosed with bone cancer in her left leg. After cobalt radiation treatments, she was told she would become sterile and unable to conceive any more children. Miraculously Delinda was born, and today Labertha is healthy and fit.

The Tindall's tremendous faith allows them to carry on the legacy of Pleasnt Grove Farm.

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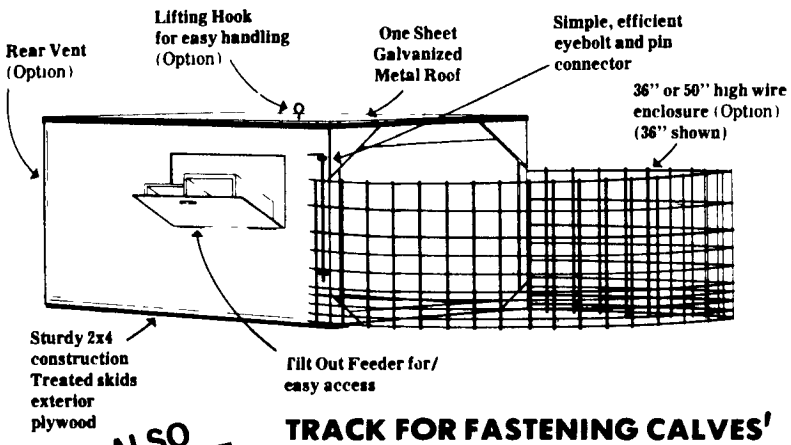
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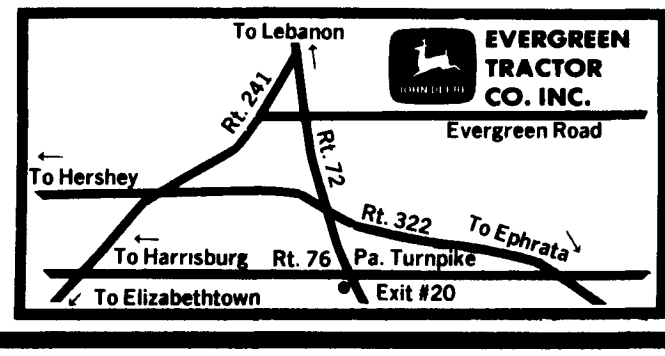


Look at worst drought in 50 years

(The worst drought in 50 years hit the nation's midsection in July and August. Drought damage was severe enough to change the outlook for U.S. agriculture — impacting on farm supplies, prices, and incomes. It may take several years before the full effects of the drought run their course. In the following article, USDA's economist Don Seaborg of the Economic Research Service, describes the legacy of a summer many farmers would rather forget.)

-xxx-

Farmers started the season confidently. Generous rains had left good soil moisture in most major crop areas of the country. Spring seeding ran about two weeks late because fields were simply too soggy for planting. In early June, one assessment indicated that subsoil moisture reserves would, at least partially, offset any normal dryness during the growing season.

At the same time, economists were forecasting record yields. The reasons: nearly ideal moisture conditions and reduced crop production on marginal lands because of acreage limitation programs. Super high yields, they calculated, would offset a large part of the acreage cut. However, the situation changed about midseason. Rising temperatures and cloudless skies scorched young plants as they entered the reproductive stage of development.

The amount of moisture needed for major field crops, such as corn and soybeans, peaks from the time the crops flower until the ears or pods are fully formed. Just when the plants needed moisture the most, the topsoil dried up. High temperatures increased evaporation. A major problem: shallow roots. Plants had not put down deep roots early in the growing season because topsoil moisture was so abundant, consequently, they were more susceptible to heat-stress.

Yields decline

By early August, the drought had taken its toll. Corn yields were estimated at 100 bushels per acre, down from 1982's record of 115 bushels, and substantially less than predicted in early July. Soybean yields were expected to fall about 2½ bushels below 1982's 32.2 bushels per acre. The situation got worse with the Corn Belt receiving only about half the expected rain in August. By early September, continued drought had further lowered corn and soybean yield estimates to 85 and 25 bushels per acre, respectively. All major field crops suffered yield losses this year, expect winter wheat which was planted in the fall of 1982 and harvested as the weather began to turn dry.

The 1983 drought was particularly devastating because it was centered in the most productive areas. In the 1974 and 1980 droughts, areas most severely affected were largely outside the Corn Belt and both droughts were shorter, and August rains helped improve yield prospects. This year, rains didn't come until early September — definitely too late for corn and probably too late for the soybean crop. Unless rains are very generous this fall and winter, subsoil reserves will be low, and 1984 crops will require frequent moisture during the growing season.

Hot summer weather also slows the rates of weight gain for livestock and poultry. In some cases of exceptionally high heat, animals die. Widespread broiler losses in the Southeast in late August resulted from the heat. Of course, any electrical outage that stops fans in farrowing or poultry houses can be disastrous in unusually hot weather. The liveweight of slaughtered cattle and hogs declined this summer, reflecting heat stress.

Pasture and ranges were generally adequate and there was no early or large forced movement of cattle to slaughter. Good moisture in western ranges this summer and adequate forage supplies in the Corn Belt and Southeast helped livestock through the grazing season. Recent rains are reviving pastures and filling stock ponds, brightening the picture for the fall and winter.

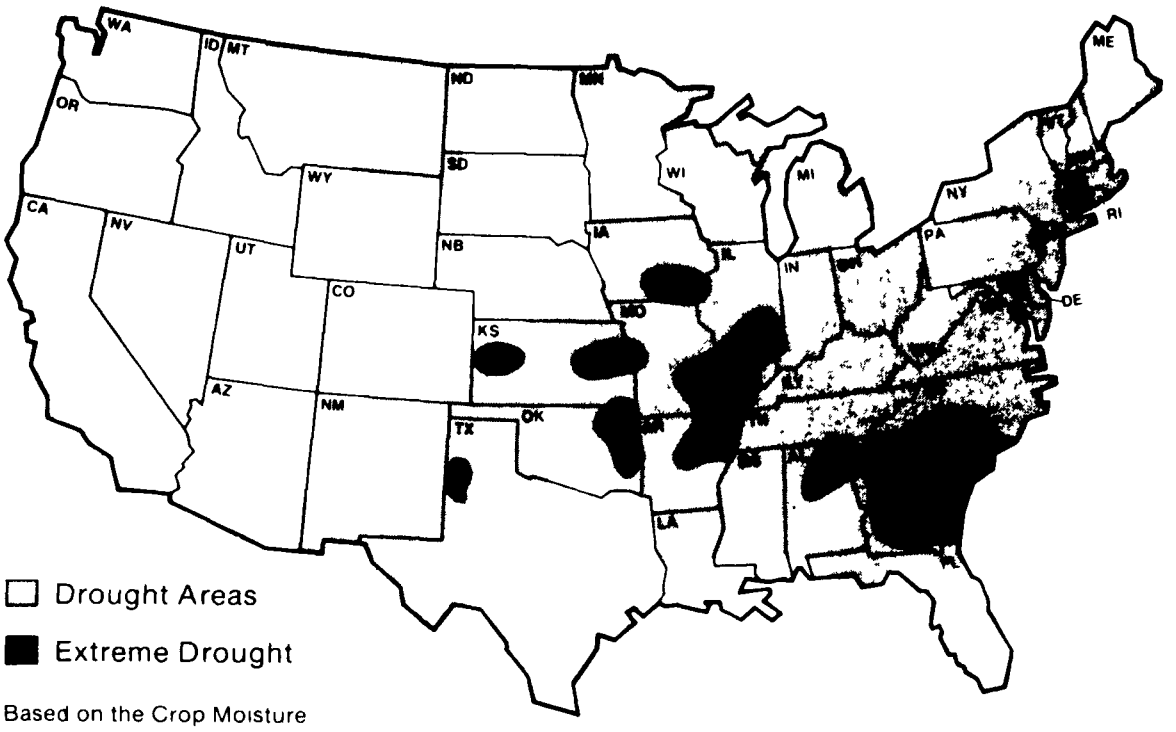
Drought Changes Outlook

Crop production is expected to decline 26 percent this year, based on USDA September crop report. Probably about half of this decline reflects the impact of the hot, dry summer. Planned acreage cutbacks account for the remainder, although production cuts were not uniform among crops. Winter wheat and barley production rose slightly, while output of corn, sorghum, spring wheat, soybeans, and cotton will probably fall a third to one-half below 1982's production.

Farm market prices have risen as crop prospects declined, but increases have been tempered by huge stocks of food grains, feed grains, oilseeds, and cotton carried over from earlier years when yields were high. Large carry-over

(Turn to Page A28)

The Drought of 1983 Strikes the Heart of the Corn Belt



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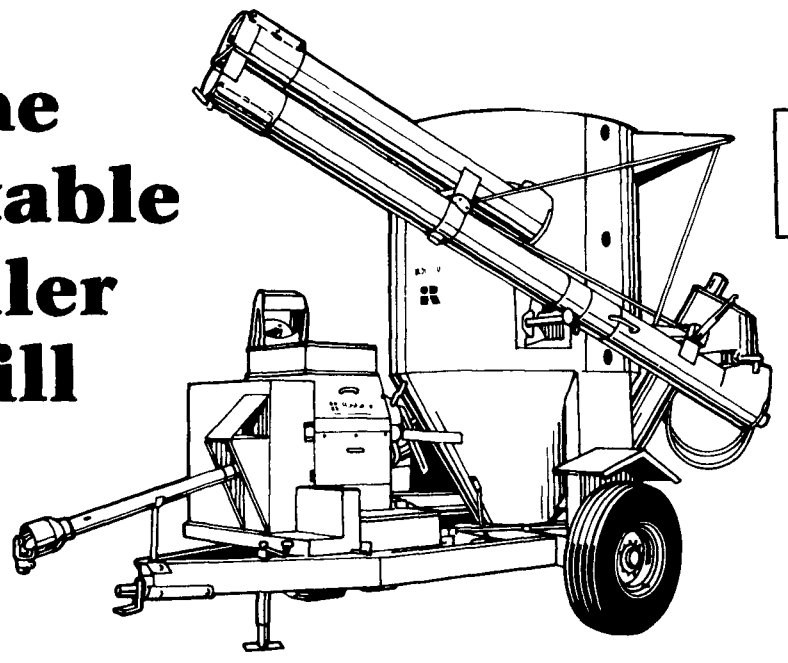

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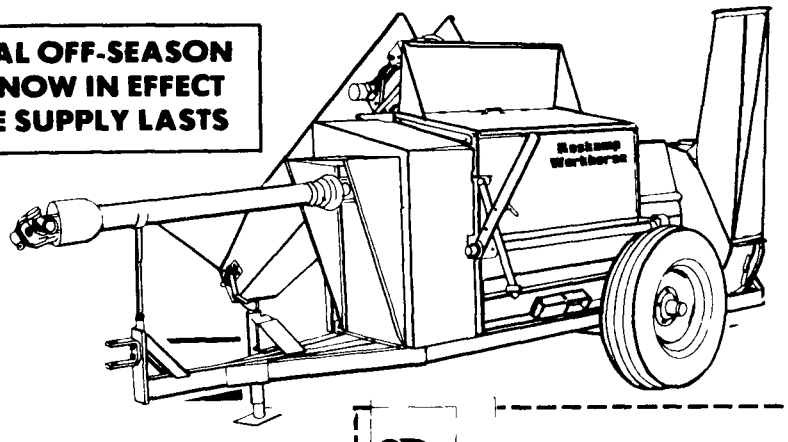

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Worst drought

(Continued from Page A27)

stocks were the result of a lackluster, at best, domestic and foreign demand in recent years. Worldwide economic recession has slowed the demand for agricultural products.

The buildup in stocks will help offset the impact of sharply reduced feed grain and soybean crops. This fall, without the 3.4 billion bushels of corn and the 387 million bushels of soybeans on hand, farm prices would be higher and domestic use and exports would likely fall until new crops were harvested in 1984. Even so, adjustments for some users will be substantial. The increase in feed costs has altered livestock and poultry production prospects. While the recent strength in the general economy is helping to boost consumer demand for meat, production cost increases for cattle, hog, and poultry producers will squeeze profits.

Higher slaughters

Cattle feeders have bid down feeder cattle prices in an attempt to reduce costs. Placements on feed in August fell 10 percent below a year earlier, and feeder pig prices are less than half of what they were a year ago. Some cattle that would have been put on feed this fall and winter, if feed costs had remained low, are being sent to slaughter directly off grass. The movement to slaughter will be large, if pasture conditions in the eastern half of the country are not revived by fall rains. Lower feeder cattle prices will force some producers to cull cow herds more severely this year because the cost of carrying animals through the winter will be high compared with the returns that are likely from raising a calf crop next spring.

Extra sows and some gilts that, under more normal conditions, would have been held for breeding purposes will be slaughtered this fall and winter. The recent USDA Hogs and Pigs report indicates that farmers are reducing 1984 early spring farrowings by 1 percent. Thus, meat supplies in the months ahead will be augmented somewhat by sales of some of the breeding stock. The extent of the increase in slaughter will depend on both the strengthening of meat demand and in feed costs. Perhaps beef and pork production will be 1 percent higher through the winter than if feed costs had gone up much slower.

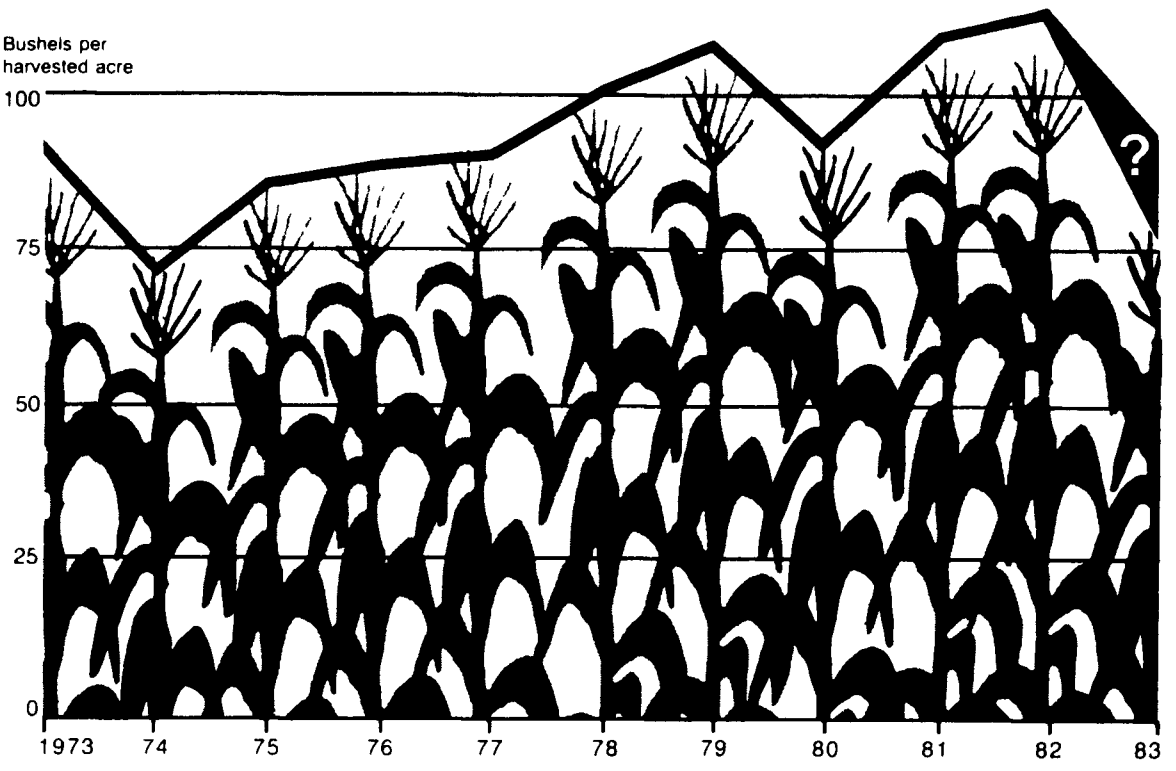
Later in 1984, meat supplies will decline. Fewer cattle will be put on feed and the number of pigs born will decline. However, while profits of broiler producers will be squeezed until at least late winter, broiler producers are likely to increase production and partly offset reduced red meat supplies in the second half of next year.

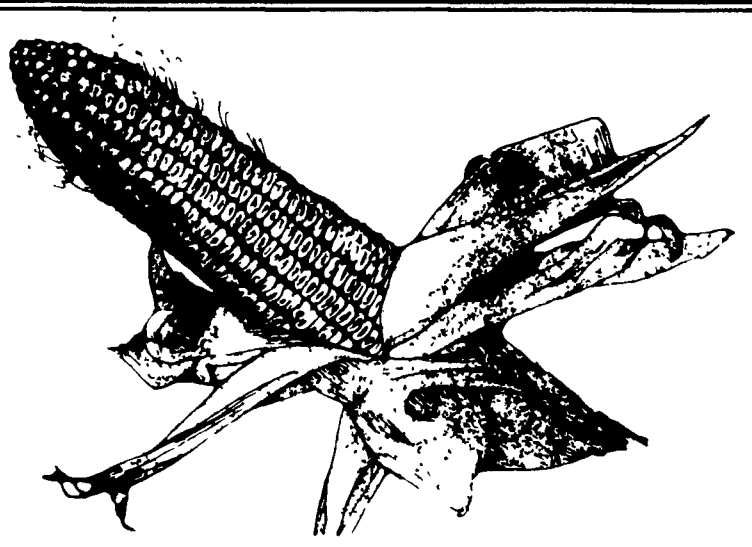
Farm Income Varies Widely

Farm incomes are rising this year. The current estimate indicates that net income will be at the low end of the pre-drought forecast of $25 to $29 billion, up from the $22 billion in 1982. But these figures do not begin to indicate the wide variation in the incomes of individual farmers. Obviously, the farmers not sharing in the income improvement are those who were hardest hit by the drought, did not participate in acreage limitation programs, and who also did not buy crop insurance. While crop prices have risen, these farmers have little to sell and much of their harvest is of

(Turn to Page A38)

Corn Yields: How Low Will They Go?





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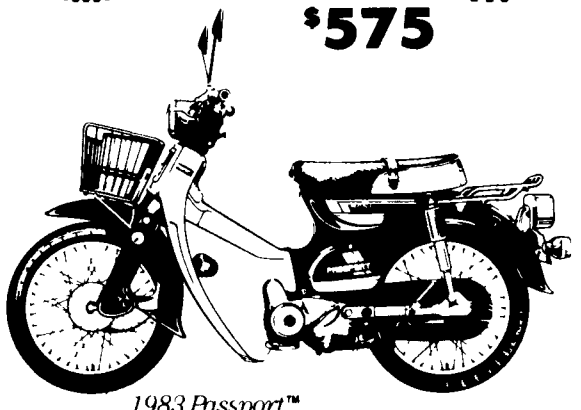

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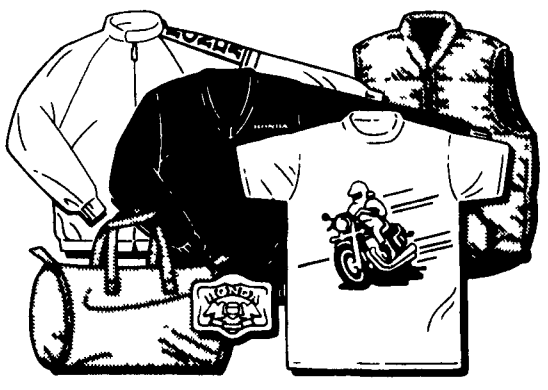

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SE Ayrshire Club honors Milt Brubaker

BROWNSTOWN — Members of the Southeast Pennsylvania Ayrshire Club gathered No. 11 at the Brownstown Restaurant for the Club's annual meeting and family style dinner.

A very productive business meeting followed the meal, with the election of new officers and directors and presentation of a special award to Milton Brubaker for his many years of dedicated service to the Ayrshire Club.

Newly elected officers are: president, Glen Seidell, Womelsdorf; vice president, Ann Young, West Grove; and Betty Henley, Cochranville, was re-elected as secretary-treasurer.

Directors were also elected to serve the club. Elected to serve two year terms as directors were Ed Henley, Cochranville, and Jim Martin, Stevens. Elected to serve a one year term were Warren Schmuck, Peach Bottom, and Roy Mentzel, New Holland.

In other business it was decided to encourage youth to become interested in the Ayrshire breed by continuation of the calf award program, and by sending the Ayrshire Digest to 30 high schools with vocational education dairy classes, to make students aware of the presence and desirability of Ayrshires.

This year's Ayrshire calf award winner was Heather Henley, Lebanon. The calf was donated by the Alvin Zook family of Honey Brook. The runner up was awarded a one year subscription to the Ayrshire Digest.

Milton Brubaker reported on the Firecracker Sale, the Spring Sale and the Keystone Classic. All the sales were successful, according to Brubaker's report.

Brubaker announced his resignation as Sales Manager for the Pa. Ayrshire Association, the SE Ayrshire Club and the Central Ayrshire Club. Brubaker has effectively carried these responsibilities since the National Ayrshire Association discontinued sales management services in 1979. Brubaker said he felt because of his age and for health consideration, that it was time for someone younger to assume the position.

Brubaker was presented a plaque in appreciation for his outstanding and dedicated service to the club.

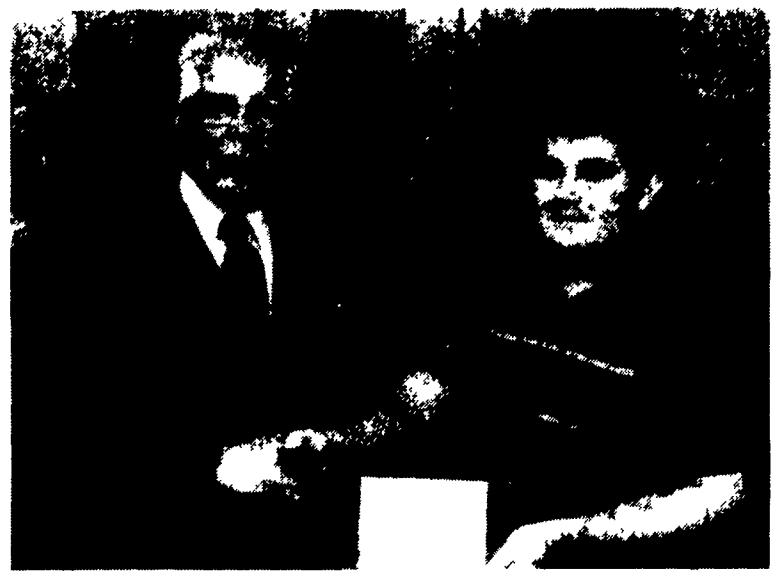
A native of Lititz, Brubaker purchased his first registered Ayrshires in 1934 from a Canadian breeder. He and his wife, Maragret, maintained a registered Ayrshire herd from that time until they retired in 1979. Brubaker's father started a retail milk business in 1905, but sold out in 1922. In 1932 he went back into the business.

"At that time there was alot of stress put on a creamline, because we were selling raw milk." reflected Brubaker. "That is why we converted our herd to Ayrshires."

"We bulit the herd up to about 55 to 60 head. The people in the borough of Lititz were very pleased with our Ayrshire milk." Brubaker remembers with great pride.

The Brubakers now rent their farm to Stanley Miller. The Miller's herd is comprised of Guernseys and Ayrshires.

His love of the breed and the dairy business led him to become an active member of the Pa. Ayrshire Assocation. He has served the state and the Southeast associations in every office. In 1973-74 he was president of the Pa. Ayrshire Association. He was instrumental in establishing the Spring Calf and Heifer Sale, and the Ayrshire calf award program, which each year awards a calf to an outstanding FFA underclassman. Other accomplishments include: 20 years on the Ayrshire Sire Committee for Atlantic Breeders Cooperative, two terms as a director for ABC, and 30 years as 4-H club leader for the Ayrshire, Brown Swiss, Jersey 4-H club.



Milton M. Brubaker, left, of Lititz, is presented a plaque by Ed Henley, Cochranville, for outstanding and dedicated service to the Southeast Pennsylvania Ayrshire Association.

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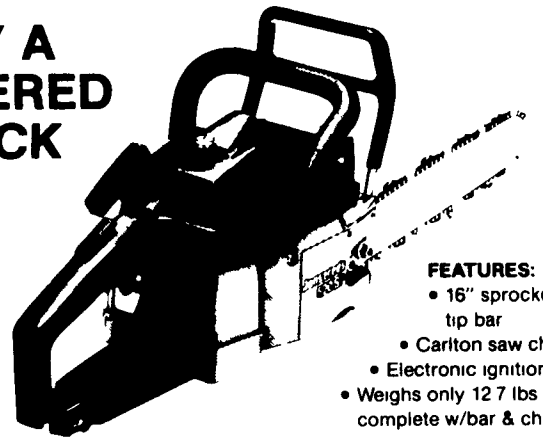

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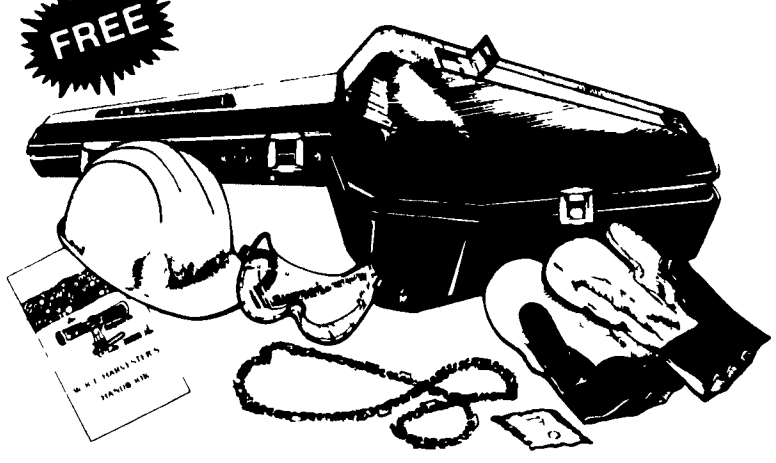

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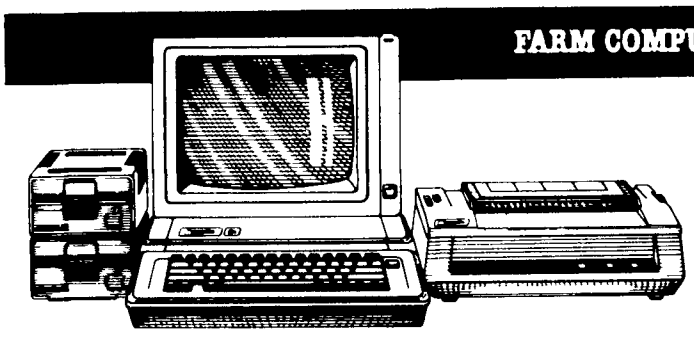

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Inter-State endorses compromise bill, warns of misinformation

SOUTHAMPTON — Inter-State Milk Producers' Cooperative applauds Congressional passage of dairy compromise legislation, according to President Robert B. McSparran.

"However, we are worried about the misrepresentation of the program's costs," he said.

Recent articles in the Wall Street Journal and the New York Times have hinted that the dairy compromise bill will cost taxpayers more money than alternatives discussed by Congress, McSparran said.

"In fact, U.S. Department of Agriculture and Congressional Budget Office estimates each indicate that the compromise plan is less expensive and more efficient in solving the surplus problem than a straight price cut would be," McSparran said.

Department of Agriculture estimates show that at the end of fiscal 1985, Commodity Credit Corporation (CCC) purchases would be 6.1 billion pounds under the compromise plan. However, under a straight $1.50 per hundredweight drop in price support, these purchases would be 15.0 billion pounds — more than double that of the compromise.

Moreover, ending inventories would be 0.6 billion pounds under the compromise compared to 20.8 billion under the price drop.

"Clearly, the compromise legislation hammered out between the industry, the Congress and the Administration is the most effective solution to the current national surplus," McSparran said.

McSparran noted that this program is self-help, in that dairy farmers are financing a $10.00 diversion payment by paying USDA 50 cents per hundredweight on all milk produced.

McSparran said that President Reagan received the legislation late Tuesday, November 22. He has 10 working days to sign the bill or else it dies with a pocket veto.

Inter-State adopts quality premium program

LANCASTER — At its 66th annual meeting here, Inter-State Milk Producers' Cooperative approved a quality premium program.

President Robert B. McSparren said the seven-cent premium per hundredweight would be paid monthly.

In order to receive the premium, McSparren said members would need to meet seven criteria. They follow: a standard plate count of 10,000 or less; a pre-incubation count of 40,000 or less; a direct microscopic somatic cell count of 300,000 or less; no antibiotics; a range of -0.530°c to -0.550°c for cyroscopic test; a dairy farm score of 90 or better; and no quality problems that would lead to a rejected tanker load of milk.

McSparren said the Cooperative had been analyzing the costs of such a quality program for some time. "We felt the program would provide additional incentives for our members to produce high-quality milk." he said.

Based upon August 1983 production, the quality program would have provided an additional $33,500 in income for the qualifying members, McSparren said.

Inter-State Milk Producers' Cooperative represents more than 3,200 dairy farmer families in Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia. The Cooperative marketed 2.51 billion pounds (292 million gallons) of milk in fiscal 1983.

Doran gets Inter-State award

LANCASTER, Pa. — Harold (Hal) Doran was named Inter-State Milk Producers' Cooperative Agricultural Communicator for 1983 at the Cooperative's 66th annual meeting.

President Robert B. McSparran made the presentation at the traditional Young Cooperator breakfast last Friday morning.

McSparran cited Doran's long association with cooperatives and education when making the presentation. The plaque read "in recognition of his contributions to cooperative communications, education and understanding, as evidenced by his leadership in PAFC and the newly-instituted Pennsylvania Cooperative Directors School."

Doran, who is cooperative education program director at Penn State University, is the eleventh recipient of the annual award.

Doran has served cooperatives and the Commonwealth in this position since 1966. Prior to that, he worked with Agway and Eastern States Cooperative as well as working as a county extension agent and vocational agriculture teacher.

In his remarks, McSparran congratulated Doran on his involvement with the youth and young farmers of the Commonwealth through the Pennsylvania Association of Farmer Cooperatives (PAFC) educational programs.

"We at Inter-State appreciate your efforts in uniting the leadership of cooperatives and other allied agricultural interests so that we all work together for the good of Pennsylvania agriculture," McSparran said.

In addition, McSparran noted Doran's involvement in the development of the Pennsylvania Cooperative Directors School, which will hold its first session this December.

"We need communicators like Hal to help us educate ourselves as well as those outside the cooperative community," McSparran said. "The result will be a stronger cooperative community in the Commonwealth."

Doran graduated from Penn State with a Bachelor of Science degree in agricultural education and a Master of Science degree in agricultural economics.

Past winners of the Inter-State Ag Communicator Award have been Norman Reber, Pennsyvlania Farmer; Earl Strine, WCHA-AM, Chambersburg; Beth Gray, Bedford Gazette; Dieter Kreig, Lancaster Kreig, Lancaster Farming; Robert Stover, York Farm Credit; Pete Hardin, American Agriculturist; George Williams, Williams Brothers Printing; William Johnstone, Penn State; Gary Geers, KYW-TV, Philadelphia; Doni Dondero, National Milk Produders Federation.

Inter-State Milk Producers' Cooperative marketed 2.51 billion pounds (292 million gallons of milk for 3200 dairy farmers in Pennsylvania, New Jersey, Delaware, Maryland, Virginia and West Virginia during fiscal 1983.

Julie Myers gets junior stockman title

HARRISBURG — Julie Myers, Wellsville R1, has been named junior stockman of the year following competition held during the Keystone International Livestock Exposition.

The York County 4-H'er triumphed over 332 entrants in the contest, accumulating a high score of 756 points from a total of 15 classes of judging beef, sheep, swine, and management quizzes.

For her accomplishment, the veteran 4-H'er will be presented with a $500 savings bond and a trophy commemorating her junior stockman title.

Just four points behind in total accumulated score was her teammate, Bill Wise of Spring Grove. Also a veteran 4-H livestock and meats judge, Wise will receive a trophy and $250 bond.

Placing third with a total of 733 points was 4-H'er Lee Brown of Loudoun County, Virginia. In addition to his trophy, Brown earned a $100 bond.

A $75 bond and trophy goes to fourth place winner, Andy Meadows, of Spottswood FFA, Spottswood, Virginia, who amassed a score of 721 points.

In fifth spot was a third York 4-H'er, Tim Ferrence of Spring Grove. His 720 points earned Ferrence a $50 bond and trophy.

York County's team consisting of Julie Myers, Bill Wise and Chris Shive, Seven Valleys, captured the top placing over the total of 81 teams, competing from five states.

Special awards went to the three top individual scorers in each of the five general competition categories. First place winners received large trophies, those in second place earned decorative cutting boards, and belt buckles went to third-place finishers.-J.B.

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Member commitment leads to Inter-State's market security

LANCASTER — Member commitment has enabled Inter-State Milk Producers' Cooperative to achieve market security, according to president Robert B. McSparran.

In his remarks at the Cooperative's 66th annual meeting, McSparran praised Holly Milk Cooperative, Mt. Holly Springs, calling it "the profit center of the future." Without member commitment, he said, expansion of the wholly-owned subsidiary would not have been possible.

Robert B McSparren

McSparran told the 500 delegates, alternates and guests that Holly's expansion would result in the plant becoming less dependent upon government sales.

In a separate report, Holly Milk Cooperative general manager Roderick McLeod said the plant achieved its primary purpose of being a reliable balancing plant for the Inter-State system.

"Since January 1983, through improved operations, yields, quality and reliability and through reduced operating expenses, Holly was brought into the 'black'," he said.

In reference to quality and yield, McLeod said that profitability increased although gross expenses increased. On a per hundredweight processed basis, operating costs decreased 20 cents per hundredweight.

Moreover, profitability increased while reducing the load on the plant's wastewater treatment plant. The treatment plant operated within permit limits this calendar year, he said.

Also, Holly is installing additional equipment to package butter in one-pound cartons for Land O' Lakes, McLeod said. A new evaporator, approved during the Cooperative's 1982 meeting, is operational and will provide the plant with needed flexibility to process milk profitably for Inter-State's members.

On other Inter-State policies, McSparran said the Board of Directors decided to withdraw the Cooperative's membership from Atlantic Processing Inc. (API). He said the Cooperative now sells milk to API under contract.

As he outlined the year's events, McSparran noted that Federal Order 4 sales have increased in recent months. "Some of the credit must go to our advertising program," he said.

McSparran also outlined the steps that the National Milk Producers Federation (NMPF) took this year in attempting to get "meaningful legislation passed to help correct the supply and demand imbalance" of dairy products.

According to McSparran, also a member of NMPF's executive committee, the Federation has worked toward increasing fluid milk standards and has developed a model for any federal order that plans to include component pricing of milk.

In other business, finance manager Evan L. Fineman reported that Inter-State's 1983 net earnings increased by 13 percent over 1982. Fineman attributed the growth to increased sales, reduced operating expenses and lower interest expenses. Increased Class I sales boosted marketing service income, he added.

Income generated by the Cooperative's capital retain program helped reduce interest expenses by $250,000, Fineman said. In addition, Inter-State allocated $110,517 in investment tax credit to members for calendar 1982. He said the credit for 1983 is $108,146 and will be included in each member's IRS Form 1099 which will be mailed in January 1984.

Fineman also noted that the record margin of $993,722 was reached without any deductions from excess milk. All costs associated with marketing surplus milk were absorbed by Inter-State.

Inter-State marketed 2.51 billion pounds of milk for 3,200 Middle Atlanctic dairy farmers in fiscal 1983.

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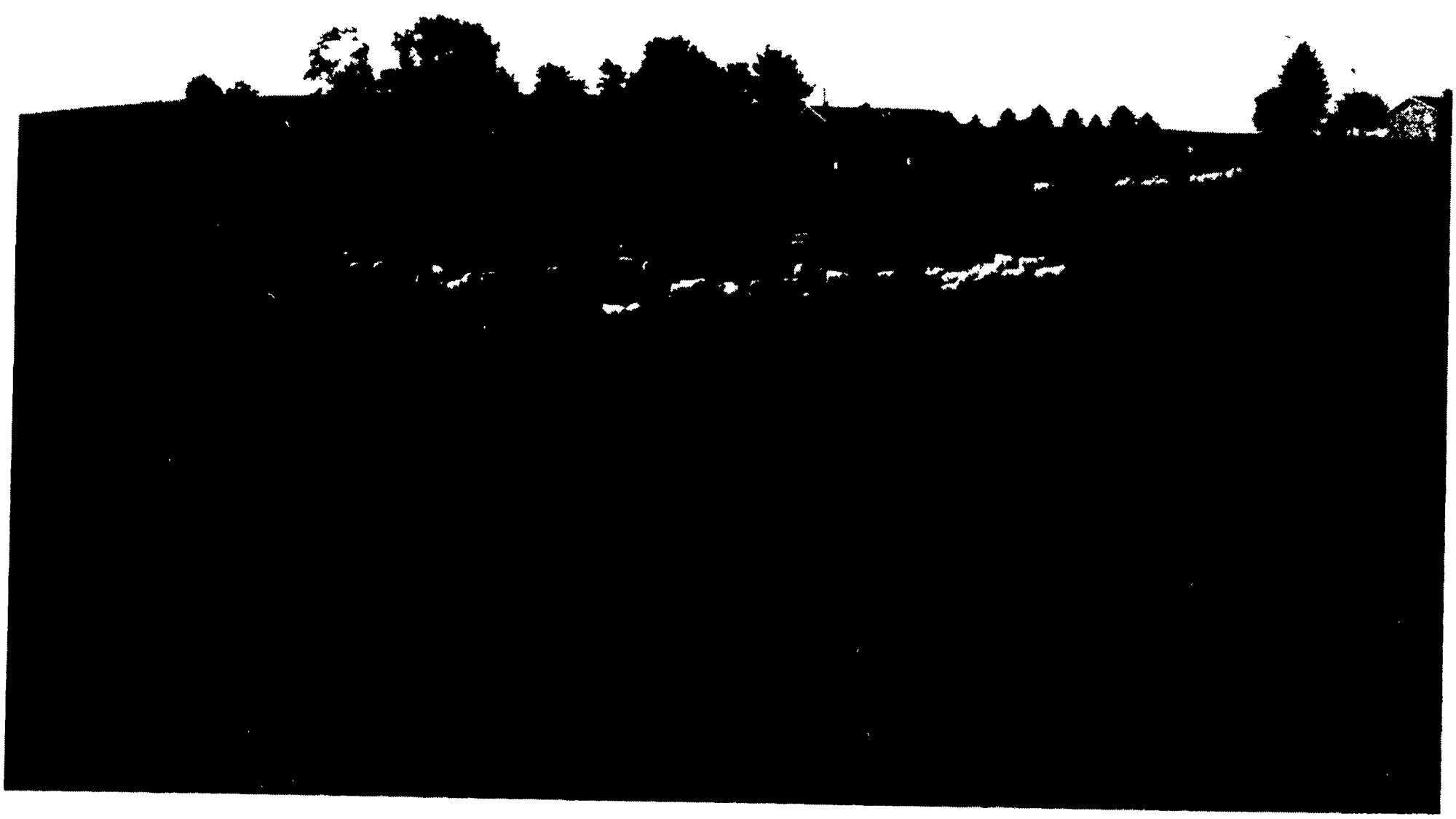

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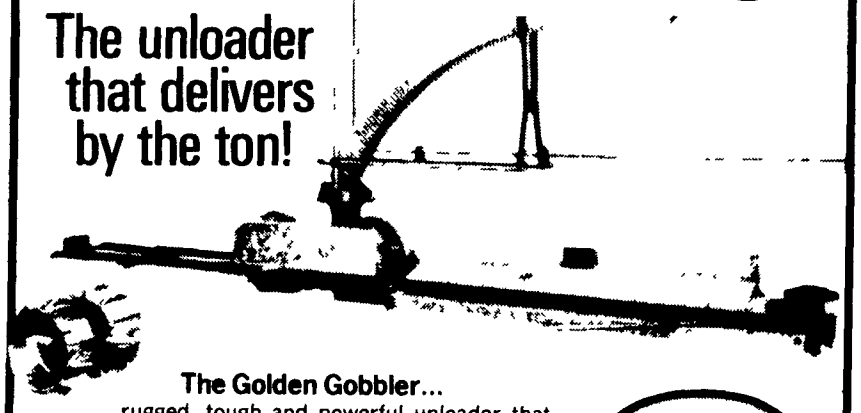

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Sludge plans

(Continued from Page A19)

volved in the first place is that the mismanagement of the sludge is a real threat. But more than that the sludge is only one part of the overall management scheme of the farm. From a resource conservation perspective, the number one problem facing our farms today is erosion. You're not doing anyone any favors if you are putting the sludge on and allowing the topsoil to wash it away," Voyer said.

The conservation plan would be a tool that would guarantee that the limitations of the soil be addressed. Voyer said that heavy metal is the only limiting factor considered by DER. The problem, in his judgement, is that some soils that have internal drainage problems are also at risk.

Leaving the soil erosion problem out and requiring a waste management plan would be counterproductive. "It is not enough," Voyer said. DER's application stresses good farming techniques but in general the regulations do not have any teeth in relation to sludge.

DER had required conservation plans a few years ago, Voyer said. He said the rule is being reconsidered and SCS is attempting to provide input. He said in the long run it will be much cheaper to take care of potential problems now, rather than try to fix them later.

Director of the Conservation District Fran Koch said the proposal is one of the long-range goals of the district. She said that while municipal authorities are knowledgeable about handling sludge, they need the help of soil specialists from SCS to properly apply it.

Will DER accept the idea? "There was concern that some townships who had bad experiences with sludge spreading are now toying with the idea of ordinances that would prohibit the spreading of sludge. We think this would be a serious mistake. Sludge is an important resource. If the townships are not satisfied with the permit process of DER, the only way townships are going to help themselves in the future is to prevent problems by enacting an ordinance that would require a local permit and the permit will contain waste spreading plan," Voyer said.

Voyer said the state process could stand improvement. If the improvement does not come in the revisions, Voyer said it would be up to the townships.

Dairy goat meeting slated

DALEVILLE — The Penn State Cooperative Extension Service in cooperation with area dairy goat farmers from Northeast Pa. will hold a meeting next Saturday at 1 p.m. at the Daleville Methodist Church on Route 435 in Daleville.

Some of the topics to be discussed are the establishment of a Regional Dairy Goat Association, a series of educational programs on dairy goat management, a dairy goat 4-H project club, and an American Dairy Goat Association sanctioned goat show. Other general topics that will be discussed will be raw milk license requirements, DHIA production testing, and various other topics. A short slide presentation on basic Dairy goat management practices will be presented by Ann Whitney, area dairy goat producer.

All dairy goat owners are invited to attend. For further information and directions contact the Lackawanna County Cooperative Extension Service at 961-4761.

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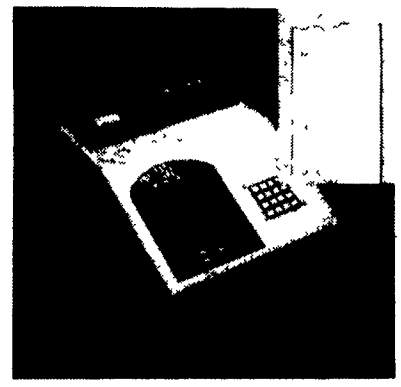

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Top Acres siblings top Nat'l Brown Swiss Sale

LEBANON — The 1983 National Brown Swiss Convention drew to a close with the sale of outstanding cattle. The fifty-five head of elite cattle averaged $5160.

Topping the sale was a young bull consigned by Top Acres of St. Paris, Ohio. Top Acres Sterling ET, a son of Bridge View Jubilation, sold for $27,000 to the Sterling Synidicate of Fort Wayne, Indiana. In addition to a high quality sire, his dam, Kilravock Show Storm, holds the highest protein record of the breed, was 1981 National Total Performance Winner, and was nominated All-American seven times. Sterling's three nearest dams are all "E" across on udder and are prominent in All-American winnings.

The second-highest selling Brown Swiss was a September 1982 daughter of the same dam as the Sterling bull. Top Acres Notable Stanza-ET is sired by Norvic Jason Notable. Also consigned by Top Acres, she sold to A&G Swiss Farm of Iowa for $15,000.

Four other sale offerings topped the $10,000 mark. Blessing Farm of Fort Wayne, Indiana consigned an ET yearling daughter of Norvic Lilason's Beautician. Her dam is out of Welcome in Stretch and was the 1980 National Total Performance Winner and the dam of the 1979 All-American Produce.

She sold for $11,250 to Penny Lane Associates of Decatur, Indiana.

Coming in at $10,500 was an eleven month old bull consigned by Merlin Geadelmann of Clarence, Iowa. Oak Forest Indexer ET is sired by Lar Le Stretch Titan and out of Oak Forest Elegant Janet, the highest indexer and CPI cow of the breed. He sold to the Indexer Syndicate of Tifflin, Ohio.

Four year old Long View Jubilation Isabel, consigned by Dennis Long of Thurmont, Maryland, brought $10,000. She placed second in dry cow competition of the 1983 Eastern

(Turn to Page A38)

Top Acres Sterling ET, a young bull consigned by Top Acres of St. Paris, Ohio, sold for $27000 to Sterling Syndicate represented by Milan Blessing, Palmer Hoffman, and Warren Schroer (left to right). Also pictured are Tom Sheaffer at the halter and contending bidder Gordon DeMay.

Mr. and Mrs. Calvin Wilson of Kimberton, Pennsylvania (left) purchased one of the six Brown Swiss selling for $10,000 or more. The top bred heifer of the sale, E-One S. Jim Julette was named All-American Heifer Calf in 1982. Dean Daubert is at the halter and Donald Bradley (left), auctioneer and Wayne Sliker, sales manager, are in the auction block.

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Century farms

(Continued from Page A1)

- Paul H. and Emma M. Krantz, RD 1, Strasburg, whose farm has been in the family since 1864. (Each Century Farm family is featured in this week's issue, with a short article about their family's farming heritage.)

John Barley, Washington Boro dairyman and member of the Chamber's Agriculture Committee, was the master of ceremonies for the festive affair, introducing such honored guests as Secretary of Agriculture Penrose Hallowell, Congressman Robert Walker, and County Extension Director Jay Irwin.

In his remarks to the group Hallowell said, "Lancaster farmers have alot to be proud of, they are helping Pennsylvania to grow better, and more effectively."

But addressing the current Avian influenza epidemic plaguing the County, Hallowell remarked, that the disease has become a wide spread problem that will challenge the preserverance of the poultry industry.

"Officials from six surrounding states met today to discuss control of the disease. It is now apparent the Avian Influenza problem is a long term problem, not one that can be corrected quickly."

In a premier presentation of "Lancaster County, PA - The Nation's Garden Spot" listeners learned that one third of the jobs of all people working in Lancaster County are agriculture related. The 13 minute audio-visual presentation was developed by Victor F. Weaver and Sperry New Holland for the Lancaster Chamber.

The program provides an overview of Lancaster County's diverse and productive agricultural economy. It was developed with the intention that it be shown throughout the County and in particular, to those unfamiliar with the economies of Lancaster agriculture.

The program is availble in both slides and video tape.

To make arrangements for showing "Lancaster County, PA - The Nation's Garden Spot" call the Public Affairs Division of The Lancaster Chamber at 397-3531.

Pa. alfalfa yields

(Continued from Page A1)

mentions went to Donald Mack, PenArgyl, Northanpton County; and Kenneth S. Beer, Perkasie, Berks County.

Hershey Bare moved up to the 1983-84 presidency after serving as Vice President of the Pa. Forage and Grassland Council this past year. Tim Markowetz, of Pioneer International, is vice president; and Richard C. Hann, of Milton Hershey Schools, was reelected secretary-treasurer.

John E. Baylor, professor emeritus of agronomy at Penn State and director of market development for Beachley-Hardy Seed Co., was renamed executive vice president.

New directors for three years are Michael A. Balas, of Sperry New Holland; William England, Blair County dairyman and father of Lancaster Farming livestock editor Laura England; and William Stringer, of Penn State's Department of Agronomy.

Leath was recipient of the Council's special award to recognize his many contributions to Pennsylvania forage and livestock agriculture.

On the staff of the Pasture Research Lab since 1966, Leath has worked with plant breeders to develop disease resistance in new legume varieties. He has participated in many meetings and conferences to improve agriculture in the state, including forage sessions, county agent training and agribusiness meetings.

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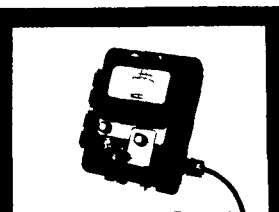

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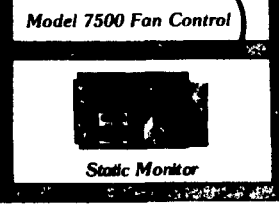

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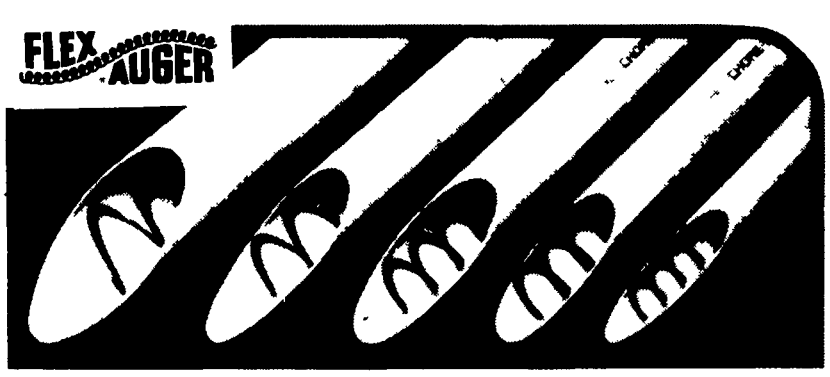

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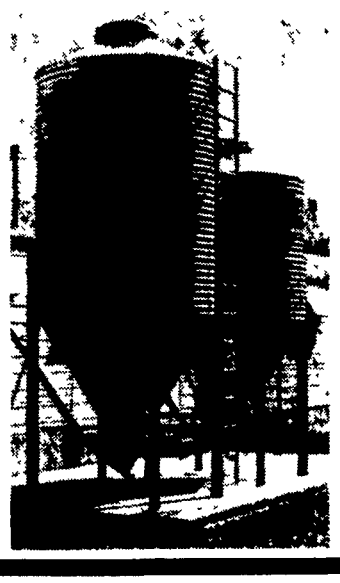

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Worst drought

(Continued from Page A 28)

low quality. Their expenses may not have risen this year, but this is of little consolation. Receipts probably will not cover expenses and careful financial management will be needed to see them through to the next harvest.

As is always the situation, even in the worst droughts, some farmers are lucky enough to have fairly good yields. The drought did not hit the northern Corn Belt as hard and moisture conditions were generally good in the West this summer. For many farmers in these areas, production will be large at a time when crop prices are high and expenses moderate. Financial planning for such farmers will be a pleasure. Decisions will center around machinery purchases, timing of marketing and the best mix of crops to grow in 1984.

The vast majority of farmers who grow the major field crops — feed grains, oilseeds, and cotton — participated in acreage limitation programs this year. Most have experienced low yields and will have substantially reduced output, but government programs will bolster incomes. Although wheat prices are only a little higher, winter wheat yields were very high and will help to boost income for wheat farmers.

Farmers who idled their entire base acreage fared the best. Their expenses were sharply lower and they will receive 80 to 95 percent of their normal yield on acreage included in the PIK program. They have crops to sell or feed to livestock.

Consumers are Concerned

Consumers are concerned about food supplies and possible price increases as a result of the short crops. The mix of foods will change some and prices will be moderately higher, but there will continue to be large supplies.

Wheat, a staple in the U.S. diet, is very available along with dairy products. Citrus fruit production should be very large in the months ahead, barring a severe freeze this winter in Florida or the Southwest.

Although the availability of many fruits and vegetables for processing is lower this year, large existing stocks will offset production declines and supplies will be adequate for expected needs. A few items such as canned peaches, tart cherries, dry beans, and sweet potatoes will be in short supply and prices of these products will be higher.

The reduced output of feed grains and oilseeds is changing livestock and poultry production plans. As mentioned earlier, meat supplies this fall and winter likely will be larger than if the drought and acreage reduction program had not increased feed costs. In the second half of next year, red meat production will taper off and drop below the high output levels of 1983. Meat prices will increase as supplies diminish while consumer incomes and demand rise. However, broiler production will likely step up to take advantage of reduced fed-beef and pork supplies.

All in all, large food supplies will continue, especially during the holiday season when large amounts of both hams and turkeys will be available. Retail food prices are estimated to rise 2 to 3 percent this year, much less than the prices of most other goods and services. Next year, food prices will rise somewhat faster, perhaps 4 to 7 percent. Increases will be sharper in the second half of the year.

Look to Next Year

It will take a year or two for the full impact of the 1983 drought to work its way through the marketing system. The adjustment for farmers, wholesalers, and consumers will be moderated because large stocks of many commodities will absorb much of the blow from reduced prodution. If bad weather continues this fall and into 1984, the impacts would be much worse. Most of the huge stock piles of feed grains and oilseeds will be marketed before next year's harvest, although wheat and cotton stocks in storage will remain large. Another drought in 1984 would certainly lead to sharply higher food prices and some hard choices by policy officials.

Drought's role

(Continued from Page A12)

1980 droughts. Both droughts followed record crop years. In 1973, a record crop year, food prices rose 14.5 percent; in 1974, the drought year, they rose 14.4 percent; and in 1975, the year when the farm price effects of the drought should have shown up at retail, food prices rose only 8.5 percent.

The pattern is similar for the 1980 drought. In 1979, a record crop year, food prices climbed 10.9 percent; in 1980, a drought year, they rose 8.6 percent; and in 1981, the year following the drought, they were up only 7.9 percent.

Higher Next Year

Of course, this doesn't mean that 1984's food price rise will be lower than this year's rise. All it indicates is that farm prices are only one component — and usually not the major one—in the food price picture. General inflation in the economy and its effect on wages and other processing and marketing costs are far more important.

For this very reason, food price rises are expected to be higher next year. Recovery in the economy suggests a somewhat higher inflation rate along with rising processing and marketing costs. These costs make up about 70 percent of retail food prices.

Even this new isn't all bad. The inflation rate will remain relatively low and food price rises are unlikely to exceed it. No one currently expects 1984 to bring a return to the annual food price increases of 8-11 percent experienced between 1978 and 1981.

Top Acres Notable Stanza ET, maternal sister to the Sterling bull, sold for $15,000 to A&G Swiss Farm of Iowa, represented by Karen and John Gipp. The contending bidder was a syndicate of 27 people across the nation represented by Richard Stephens of Manliers, New York (right). At the halter is Dean Daubert of Pine Grove.

Brown Swiss Sale

(Continued from Page A36)

National. Isabel sold to A. Morino of Columbia, South America.

The final $10,000 seller will make her new home with the Calvin Wilson family of Kimberton, Pennsylvania.

This bred heifer was consigned by Landon Leitzke of West Bend, Wisconsin. E-One S. Jim Julette was named All-American Heifer Calf in 1982 and was named Junior Champion of the 1983 Central National Show. She is sired by Alexander Alaric Stretch Jim.

A "standing room only" crowd packed the Lebanon Fair building to watch the sale of some of the top Brown Swiss cattle in the nation.

Avian effort

(Continued from Page A1)

the quarantine zone. But a disease problem in a flock there has been diagnosed as a mild strain of New Castle disease.

On Thursday, the task force took a one-day break from the eradication program to clean equipment and a holiday gathering of sorts at Lancaster's Treadway Inn. Some relatives and family members of the task force personnel came to Lancaster.

Dr. Gerald Fichtner, who heads up the task force, told the gathered group:

"We have established a goal. We aren't going to just control Avian influenza. We are going to eradicate it."

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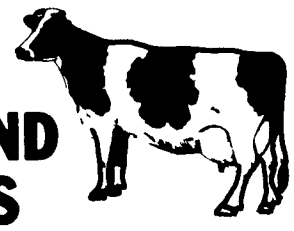

WEDNESDAY, NOV. 30TH

One Load of Outstanding Pure Bred Holstein Dairy Cows with Official Records. Several Cows Classified Very Good From Top Sires. Fresh and Close Springers.

Consigned by
H.D. MATZ

PUBLIC AUCTION

FARM MACHINERY, 3 TRACTORS, IH COMBINE, ETC.

on farm 18 miles E. of Hughesville, Pa. ½ mile E of 118 & 42 junction off Rt. 118.
Watch For Auction Arrows.

SAT. DEC. 3 starting 1 PM

Ford 8600 diesel tractor; JD 620G RC tractor w/15.5-38" rubber; Farmall M gas RC tractor; IH 203 S.P. gas combine w/2 row wide corn & 13' grain heads; Miller 10' offset disc w/hyd. leveling & dual transport wheels; Talorway 10' trailer chisel plow; IH 510 17-7 dbl. disc grain drill; JD 494 4 row corn planter; IH 435 pto baler w/pto thrower; NI 400 roto-bar rake; Fox Super 2000 forage harvester w/pickup head; Kools KB54 short hopper blower; NH 519B single beater manure spreader; 3 metal gravity boxes-Martin, Newbuilt, McCurdy, Zimmerman 40' all-purpose elevator; Sears chassis.

Auct. Note: This is all-no small items, be on time.

Owners,
RALPH & PHYLLIS DIETTERICK

Conducted by
Fraley Auction Co.
(717) 546-6907

Auction Reports

A Public Auction of 150 guns was held November 18 at the Southern Manheim Township Fire Hall, Orchard St. & Fruitville Pike, Lancaster, Pa.

Some prices were: Artillery lugar 1915 9 mm $1450, Navy lugar 1917 9 mm $1060, Mauser Broom handle w/stock 7.62 mm $800, Walther P-38 automatic 9mm $640, Browning Military 9 mm Nazi w/tangent sight $600, DWM lugar 30 cal. $470, 1939 lugar 9mm $455, Kentucky type rifles $300 to $500, Winchester Model 43 Hornets w/scopes $490 & $350, Winchester Centennial Golden Spike rifle $360 and 1863 Springfield 50-70 rifle $370.

Auctioneers were James W. Frey and John R. Gockley.

XXX

The Walebe Farms Holstein Dispersal was held November 14 on Hopwood Road, 1½ miles south of Collegeville, Pa.

The top price received for a cow was $56,000. Marlu Petes Emmy (VG-88) was sold to Springfield Cattle Investors limited of Springfield, Ohio.

The 2nd high animal was a bred heifer by S-W-D Valiant which was sold for $17,500 to George and Paul Sheypuk of Jermyn, Pa.

The 3rd high was a yearling heifer by Sweet Haven Tradition which was sold for $15,000 to Rothrock Golden Holstein Farm, Kempton, Pa.

The average of the 225 head sold included registered and grade animals of all ages and was $1611.

Backus Associates, Inc. sale managers & auctioneers.

XXX

A Public Auction of farm machinery, and tools was held November 19 by Paul S. Eveland, on Church Lane Rd., near Jacksonwald, Berks Co., Pa.

Some prices were: Farmall cub tractor w/attachments $1600, Mighty Mac log splitter $575, trailer $350, 2 wheel trailer $110, Stihl 032 18" chain saw $345, chain saw $120, Lionel #8 D train set $350, antique shaving stand $245, Schenfelder jugs $150 & $115 and shelf clock $90.

Auctioneer was Kenneth P. Leiby.

XXX

A Dispersal Auction of farm machinery and antiques was held November 19 for the Carl and Grace Lehman estate at 2451 Joppa Rd., York, Pa.

Some prices were: A.C. G tractor & cultivators $2000, VAC Case tractor with plow & cultivators $1200, 12 pane double door corner cupboard $1600, dry sink $500, schoolmaster's desk $475, old primitive wooden apple peeler $500, Eli Terry mantel clock $475, blanket chests $150 & $200, deacon's bench $150 and 2-lid woodbox $400.

Robert L. Sechrist & Thomas H. Sechrist were the auctioneers.

XXX

A Public Sale of real estate was held November 19 by Robert A. and Barbara E. Woods, 1½ miles south of Fanettsburg, Franklin Co., Pa.

The No. 1 tract of 110 acres with house, bank barn, dairy house and silos was withdrawn when bidding reached $110,000.

The No. 2 tract of 130 acres of shade and gravel soil was withdrawn when the bidding reached $62,000.

J. Robert Meyers was the auctioneer.

XXX

An Outstanding Antique Auction was held November 19 for Edith Riffert, at the carnival grounds just off Rt. 73 between Reading & Boyertown in Oley, Pa.

Some prices received were: tiger maple chest on chest $7000, walnut blind front dutch cupboard $3900, walnut slant top desk $2500, bowfront chest of drawers $2200, Sheraton chest of drawers $500, candlestand $600, marble top table $210, walnut sleigh-back sofa $600, tiger maple acorn top ¾ poster bed $265, tiger maple nightstand $410, signed Windsor arm chair $475, Hepplewhite linen chest $975, sterling silver service for 12 $825, open-top drysink $300, blanket chest $600, small Oriental rugs $200 to $210, shelf clock $160, set of Spangl dishes $200, Imperial glass eagle bookends $135 and 1893 Worlds Fair ruby pitcher $70.

David S. Allgyer was the auctioneer with Shirley I. Moyer as App.

XXX

A Complete Dispersal was held November 19 by Terry and Bonnie Spencer, 1 mile from Osceala and 2 miles from Elkland, Pa.

Some items sold were: Int. grain drill $3100, Int. backhoe attachment for tractor $2050, Gehl silage wagons $2900 & $2000, Gehl 800 chopper w/pickup & cornhead $5500, Case 1070 w/duals & brackets $7175, Case 1370 tractor $9100 and Miller disc $2200.

The top price for a Holstein cow was $1200 and the average of the 55 head was $550.

Auctioneer was Arlow Kiehl and sale manager was Gordon Wood.

XXX

A Public Sale of livestock and machinery was held November 18 by Mr. and Mrs. Eli J. Yoder, R.D. 1, Winfield, Snyder Co., Pa.

Some prices were: horses $700 & $850, cows from $470 to $710, gasoline engine $130, riding plow $100, N.I. 4-wheel manure spreader $525, Int. silo filler $230, hammermill $100, Ontario wooden wheel grain drill $310 and ear corn $107.50 per ton.

Mark Glick was the auctioneer.

XXX

A Public Auction of real estate and household goods was held by Pauline E. Zerbe at 209 Woodrow Ave., Sinking Springs, Berks Co., Pa.

The 25'x90' lot with a 2 story brick house and 1 car garage was sold for $15,000 to the Brown Feed Mill, Sinking Springs, Pa.

Other prices were: brass bed $190, blanket chest $120, fernery $34, glass pitcher $44, German doll (in pieces) $160, bird cage & stand $55, brass quoits $42, 3 pc. pitcher & bowl set $100, 2 pc. pitcher & bowl set $115, minature tea set $60, stereoscope & pictures $42, doll cradle $85, player piano (needs repair) $120 and childs rocker $55.

H.H. Leid Auction Service conducted the sale.

XXX

The Fitzwater Dispersal of cows and machinery was sold November 16 by Daniel and Roberta Fitzwater, 3 miles from Canton, Pa.

Some prices included: N.H. 275 baler $1500, A.C. 190XT D tractor $3600, A.C. 4-bottom plow $1000, N.I elevator $1800, complete DeLaval pipeline $6300, Milk Keeper 600 Bulk Tank $1500, Cornell barn cleaner w/300' chain $2000, Van Dale 20' silo unloader $3050, Patz 12' silo unloader $1450.

The 50 head of Holstein cows sold for an average of $540 with the top cow bringing $835 and the second high $800.

Auctioneer was Arlow Kiehl with Gordon Wood as sales manager.

XXX

A Public Auction of welders and cranes was held November 19 in Boyertown, Pa. for ISCI.

Some prices included: Insley crane track mounted $975, Ingersall/Rand air compressor $1200, Buda fork lift $425, used electric motors to $40, portable G.E. arc generator welder $800 and burned-out truck bodies $125 to $150.

Ken Moyer was the auctioneer.

XXX

A Public Auction of farm machinery and trucks was held November 19 by Mr. and Mrs. Benjamin T. Ridgely, Levels Farm, Leitches Frederick, Maryland.

Some prices received were: J.D. 2350-2450 plow $2300, J.D. transport harrow $5500, Kewanee Model 89 cultimulcher $3300, J.D. 6000 all purpose spray tractor $11,100, Int. Model 190 tandem dump $7500, Int. 1968 Model 1850 truck $3000 and 1980 Chev. diesel pickup $3500.

Trout Auctioneers, Inc. conducted the sale.

PUBLIC SALE

KITCHEN & RESTAURANT EQUIP.

Lease Expired Makes Auction Necessary

30 x 30 CATERING TENT

Like New

WEDNESDAY, DEC. 7, 1983

10:00 A.M.

Sale located at 8908 Frankford Ave., Philadelphia. From Rt. 95 exit onto Academy Rd. 1st light left. Go 1 block to Torresdale Center.

RESTAURANT EQUIPMENT

300 lb. Manitowoc ice machine; 4 Amano model 6509 time clocks, excellent cond.; Blakeslee 3 speed mixer, 12 qt. w/grinder attachment; 600 shelves, up to 18" wide; 50 casters; 4 keg Beverageair beer cooler, self contained; stainless steel corner sink w/lever waste drain; toaster; meat wrapper; meat wrapper w/shelf; dish cart; 2 bussing carts; 6 stainless steel baker's racks; stainless steel 3 bowl bar sink; 5 heating & cooling cabinets; 2 bowl pot sink; Hobart model am-11 dishwasher; 20"x20" dish racks; 2 Hatco boosters, 1 model cc-15 6 gal., 1 model sc-58 16 gal.; 100 gal. hot water heater, new in box; 2 grease traps, good cond.; 2 Hot Tops stoves & oven, gas Vulcan model 787-2A; Vulcan convection over, model ET-8; 2 Wells food warmers; 34 black oven pans; 29 stainless steel oven pans; 350 bakers pans; 50 2" stainless steel steam pans; 50 4" stainless steel steam pans; 60 wire whips; 3 exhaust fans; Berkel model 180-FA automatic meat slicer; Hobart steamer; Steamer-it steamer; Steam Genny w/table; meat slicer; computing scale; 2 stainless steel coffee urns, 1 8 gal., 1 5 gal. American, gas; coffee pot warmer; coffee table w/drain; 8 stainless steel tables, 3 w/sinks; 6 small stainless steel tables; 19" steam table includes: Bainmarie - Ref. S.S. self contained tecwnsek compressors, S.S. steam table; freezer w/S.S. doors, 4 refrig. drawers, self contained; 3 - 2 door Tyler S.S. refrigerators; 1 - 3 door S.S. Tyler Freezer; stainless steel chicken cleaner; floor fan; 3M copier; 2 white sinks; white urinal; 50 3M pads, stripping & polishing; 10 - 5 gal. degreaser; 2 5 ton air conditioners, split system only; 3 new Copeland compressors; 2 corner stainless steel sinks; 2 National cash registers; 2 - 6 ft. portable salad bars; stainless steel cafeteria line, complete unit; U.S. Berkel food grinder; 12 doz. Liberty soda glasses; stainless steel servers; stainless steel table scales; 1961 16 ft. cargo trailer, tantem axle, elec. brakes, 3 doors; 1971 Chevy Cheyenne pick up, 61,000 original miles; 4 Honda ATC 110-CC-3 wheelers 1981 models; AB Dick 990 copy machine; IBM typewriter; bar stools and chairs; Italian ceramic tile; approx. 200 gal. True Test paint; many other items not mentioned pertaining to restaurant equipment.

400 Stock Chairs.

Inspection 8 - 10 A.M. Sale Day

TERMS: Cash or Certified Check.

Owner:

JOHN RYBAS

Auctioneer:
Steve Petersheim:
717-786-4624

PUBLIC AUCTION

OF CONSTRUCTION EQUIPMENT, TRUCKS, TRACTORS, MOBILE RADIOS AND SHOP EQUIPMENT

SATURDAY, DEC. 10, 1983

10 AM Rain or Shine

Located at Soil Conservation District yard. American Legion Rd., Denton, MD (off Rt. 404)

CONSTRUCTION EQUIPMENT

D7G dozer, 225 hyd. excavator, unit crane model 1220-W-GMC motor - W45' Boon, 30" pads, fork life, Rome Sheer blade, 3/4 yard bucket, hydraulic ditch mower, root rake, 2 Fleco root rake, crane tight-line (miscellaneous crane parts).

RADIO EQUIPMENT

GE 1 base and 4 mobil units, 50 watts with 62' antenna.

TRUCKS AND TRAILERS

1968 Brockway 335 Cummings engine, Rogers 27' lowbed; Birmingham 27' lowbed; 1979 GMC half-ton pick-up; 1977 3/4 ton pick-up; 1975 Ford 3/4 ton with utility body; army type 10 wheeler wrecker.

FARM TRACTORS AND EQUIPMENT

International Cub-W-Woods mower and blade; International 444 diesel with duals; International 240, 5' rotary mower; Hardee brush burner, 3 fuel tanks.

SHOP EQUIPMENT

South bend metal lathe; Westinghouse Flex arc welder; 2 steam gennies; high sheed hacksaw. Only partial listing. Numerous other shop equipment items.

Terms: Cash or approved check (letter from bank)

Owner: Auction authorized by

THE BOARD OF SUPERVISORS OF CAROLINE SOIL CONSERVATION DISTRICT

1-301-479-0630

A. CURTIS ANDREW AUCTION INC.
Auctioneers:
Curtis Andrew, Mike Roe
1-301-479-0756

AUCTION SALE

OF CANNING HOUSE EQUIPMENT INVENTORY

Wilson M. Jarboe Equip. Co.
University & Railroad Avenue
Federalsburg, Maryland
301-754-9978

THURSDAY, DECEMBER 8, 1983

10:00 A.M.

Lift Truck; SS Crab Cookers; Motors; Boxers; Stainless Can Washers; Tomato Fillers; Hand Pack Fillers; Conveyors; Busse Crate Loader; Retorts; Retort Baskets; Pumps; Scales - Over & Under; Stainless Tanks; Washer, Grader; labellers; Tank w/elevator Belt; Carts on wheels; Metal Steps; Metal Platforms; Dewatering Reel; Gas Fired Boilers w/fans for Grain Drying, etc.; Refrigeration Compressors; Time Clock; Stainless Reels; Stainless Tank w/elevator Worm; Stainless Chain Conveyor; 3" Gear Pump w/motor on Base; Power Roller Conveyor; Stainless Tables; Ace Can Ejectors; New-Way "V" Labeller; Stitchers - (parts only); Stainless Worm; Power Hoist; Electric Boxes; Belting; 29-V Angelus Closing Machine; Electric Mixers; large Vari-Speed; Gear Reducers; Gear Reducers w/motors; Tag Recorders; Meat Scales - 25 lb.; Drink Cooler; Heavy Duty Gear Reducers; Freezing Unit; Store Cooler; Freight Carts; Steam Jacketed Kettle; Pressure Washer; 6" Irrigation Pump w/motor; Gasoline powered Portable Pump; Gasoline Powered Generator; Lift Jack; Juice Filler; Battery Chargers; Cont. Atmospheric #2-½ Cooker; Stainless Blancher Reel; Compression Units; Stainless Paddle Conveyor; Crate Dump; Case Sealers; Magnetic Can Accumulator; Stainless Tomato Packing Table; Meat Grinder; Bean Snippers; Bean Graders; Wallace Tierman Mixer; Clam Cutter; Pulleys; Milk Filler; Tilt Steam Jacketed Kettle; Chicken Deboners; Tilt Tank; Can Track; Can Track Tightners; Can Track Drives, Bends, etc.; Electric Pallet Jack; Drum Dryer; Air Blower; Pea Grader; Blower Cleaner; Freezer Door; Cooler Display Cabinet; Sens-O-Gram Units; Mushroom Size Grader; Bottle Caser; Stainless Pickle Injector; Spillover Tank; Pocket Elevator; Key Can Line Separators; Swimquip Chlorine Tank; Johnson Water Pump #JY2; Stainless Tomato Chopper; Bag Sealer; Exhaust Boxes; Iron Worm; Rod Reel; Conveyor Track; Misc. Stainless Tracks, Chutes, etc.; Many Misc. Iron Items; Many, many items too numerous to mention.

(**5% Maryland Sales Tax will be applied to all purchases)

TERMS: CASH or CHECK ON LOCAL BANK –
Out of State Checks must have letter of credit.

Auction Note: Loading facilities available.

AUCTIONEERS:
J. Melvin Schwaninger
Walton P. Taylor

It wasn't a question of cost. It was a matter of profit.

I talked to other Harvestore® system owners before I made my decision. They convinced me that return on my investment was more important than initial cost. My Harvestore system representative developed a profit opportunity analysis for my operation. I showed it to my lender and he liked what he saw. No other piece of equipment I could buy would do so much and last so long.

Lower feed costs, increased production, reduced supplement bills and less labor made the Harvestore system my best investment. And that's not counting the added value I get from my dealer like cropping assistance, nutrition programs, feed analysis and professional service. It doesn't pull a plow or harvest corn, but it works for me 365 days a year.

Cost wasn't really a factor. But profit was. I just couldn't afford to go without a Harvestore system any longer.

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WE BUY, SELL & SERVICE USED HARVESTORE STRUCTURES

See Our Ad On Page C39

CARNATION FEED CARNATION FEED CARNATION FEED

Shorten Your Christmas List at Maple Croft

BY SALLY BAIR
Staff Correspondent

Homemade, handcrafted and country — if that's the look you want, then a visit to Maple Croft shop near Willow Street, will not disappoint you. Located where Route 222 South and Penn Grant Road intersect, the former schoolhouse basement has been turned into a veritable storehouse of items which should shorten any Christmas list.

Co-owned by Pam Rankin Hults and her mother Ruth Rankin, the shop has been open only since June and offers a variety of decorating ideas with brass, copper, tin and wood along with gifts handcrafted by about 40 local craftspeople.

The shop in many ways looks almost like a Santa's workshop because of the wide variety of things to choose from and because Pam's working desk is tucked away in one corner of the shop.

One of the crafts for which Pam is well known is making replicas of people's homes in solid blocks of wood.

"We do houses by order and to scale," she explains.

When asked how she got interested in painting these small replicas, she says, "Probably because my parents always worked on people's homes." Pam's father Earl is a contractor and Ruth often helps with interior decorating.

In a takeoff from the wooden replicas, Pam also makes miniature houses suitable for use as tree decorations. While they have fine details like stones and bricks they are not replicas. Pam explained that she added them to her work because, "When you're at craft shows you have to have some smaller items. These make good hostess gifts and are more affordable."

Ruth Rankin, left, and her daughter, Pam Rankin Hults, string some clay dough ornaments which will help make their Maple Croft shop more decorative for the upcoming holidays.

This work area is located in a well lighted stairway to the basement, and allows Pam to work on her artistry while tending the shop. Here, she works on her folk art and painting the houses which are her trademark.

An art education major in college, Pam taught for several years before moving to this area with her husband, and finding teaching jobs in short supply. About her art talent she says, "I must have inherited it." Her mother points out, "Ever since she was little girl I would find her sitting with paper and pencil in hand."

The artist in her really comes through in the franktur and folk art she creates to sell in the shop.

"There are no copies," she says. "Every one is unique. I may use pieces of original art, but I have never copied what someone else has done. As many different people who do frankturs, that's how many different styles of franktur there are."

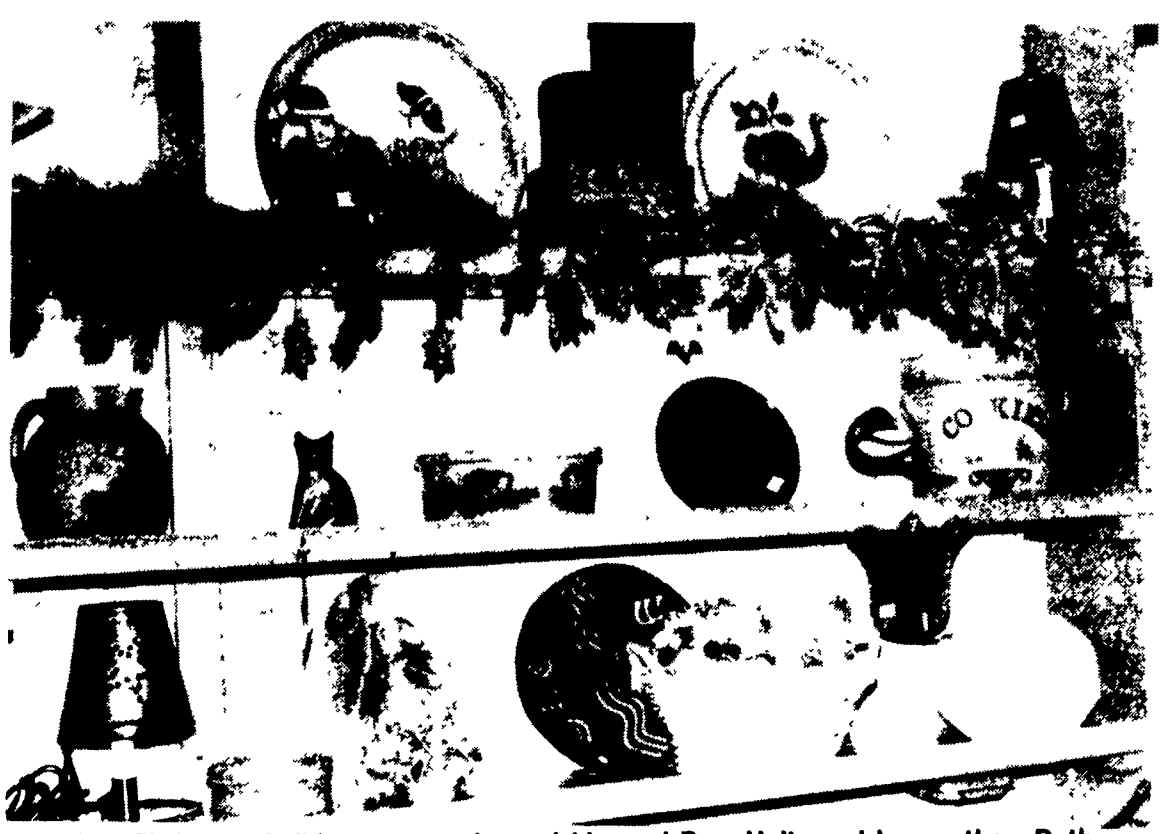
She said her interest in franktur was a "family conspiracy" which got her to take the lessons at Landis Valley Farm Museum. She explains that she was single at the time and her grandmother said she would cook dinner for her on the nights of the classes, since she lived close by the museum. So everybody benefitted: Pam got delicious meals, her grandparents enjoyed her weekly visits and now the community can enjoy the rewards of her talent.

These houses are a trademark of Pam Rankin Hults, who began by making the larger homes as replicas of originals. She added the smaller homes as tree ornaments.

Homestead Notes

The idea for the shop is something about which Ruth says, "I always wanted to do." According to Pam, it was also an idea which she thought would never come to fruition.

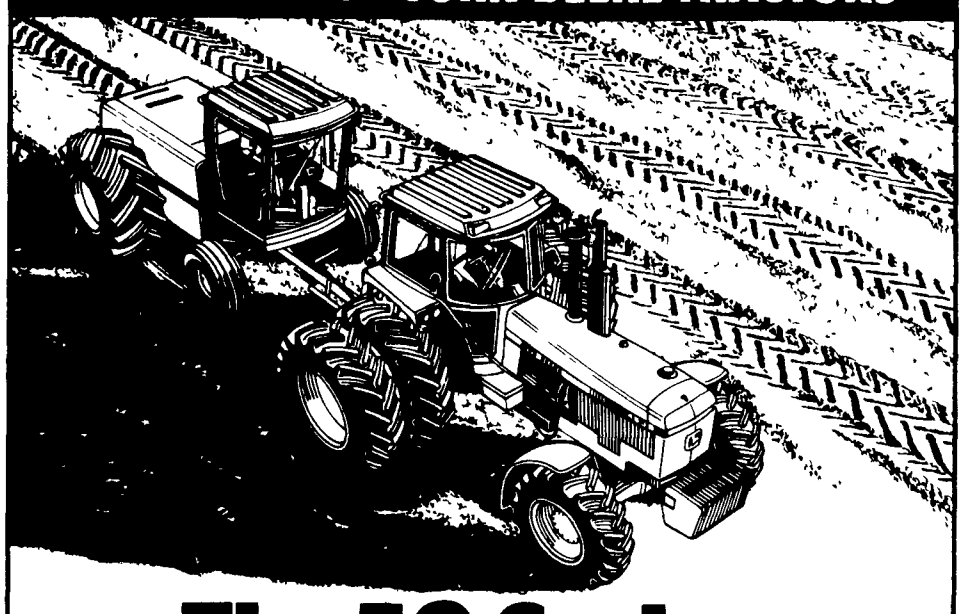
(Turn to Page B4)



The Christmas holidays are coming quickly, and Pam Hults and her mother, Ruth, have decorated their Lancaster County shop to help put people in the mood. These shelves hold a few samples of the hundreds of items available in their Maple Croft shop.

701 PENN GRANT ROAD ~ LANCASTER, PA 17602
Maple Croft
Interiors and Unique Crafts
•717-464-4895•

100-TO 190-HP JOHN DEERE TRACTORS



The 50 Series outperforms even the best tractors we ever sold— the 40 Series

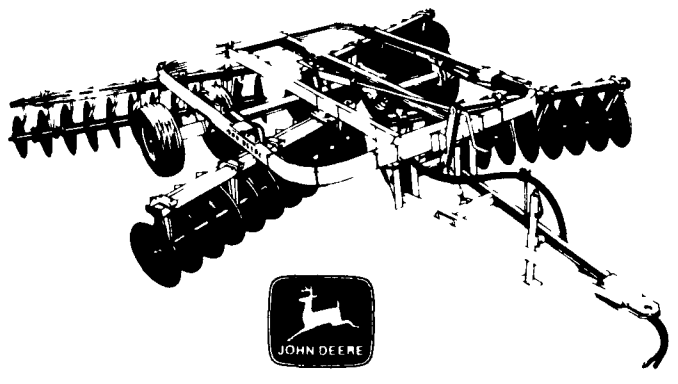
Now there's field test proof that new 50 Series John Deere tractors are more fuel efficient and more productive than the industry's field performance standard—our own 40 Series. Scientific proof provided by the unique Dyna-Cart™ test vehicle.

Dyna-Cart field test proof backs up the record-setting track performance by the 50 Series in official tests.

So the 50 Series tractors really do represent powerful new efficiency for your bread-and-butter machine. Official tests have shown it on the test track, the Dyna-Cart measures it in farm fields, and a demonstration can prove it on your farm. See us for complete details on the Dyna-Cart test results or to arrange a test drive.

MONEY OFF THE TOP
TILLAGE DISCOUNTS

John Deere discounts these new tillage tools by 5 to 10 percent and waives finance charge to March 1, 1984



Just as you're getting into the fall/spring tillage season, John Deere announces a big dollar-saving offer on major tillage tools. Depending on the tillage tool you buy (see the chart), your dealer will deduct 5 or 10 percent from the latest base machine price. For example, the discount on an 18½-foot 235 Disk would save you more than $1,100.

On any of these you can save even more by financing with John Deere. Finance charge will be waived to March 1, 1984, for qualified buyers.*

Machine	Discount from Suggested Retail Price
Moldboard Plows	5 percent
Chisel Plows	10 percent
Field Cultivators	10 percent
Disks	10 percent
Mulch Tillers	10 percent
Mulch Finishers	10 percent

*Availability of John Deere financing plans subject to approval of credit
This offer may be reduced in value or withdrawn at any time

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(near Adamstown)
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LEHIGH AG EQUIPMENT
(Formerly Chapman Equipment Center)
Chapman, PA
215-398-2553

CLUGSTON IMPLEMENT, INC.
Chambersburg, PA
717 263-4103

COVERT & SONS, INC.
Neshanic Station, NJ
201-369-5241

OXFORD GREENLINE
Oxford, PA
215-932-2753
215-932-2754

EVERGREEN TRACTOR CO., INC.
Lebanon, PA
717 272-4641

FOSTER EQUIPMENT SALES
Elmer NJ
609-769-1535

H.R. GUTSHALL & SONS, INC.
Carlisle, PA
717 249-2313

ROBERT G. HAMPTON, INC.
Shiloh, NJ
609-451-9520

BARRETT EQUIPMENT
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814-257-8881

ELDER SALES & SERVICE, INC.
Stoneboro, PA
412-376-3390
412-376-3740

NEUHAUS'ES
York PA
717-428-1953

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Silverdale, PA
215-257-5136

EVERGREEN ENGINES CO.
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717-273-2662

SOLLENBERGER EQUIPMENT
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814-652-5223

LANDIS BROS. INC.
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717 291-1046

KERMIT K. KISTLER INC.
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215-298 2011

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GEORGE V. SEIPLE & SON
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TOBIAS EQUIPMENT CO., INC.
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LOST CREEK IMPLEMENT
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717-463-2161

WOODHULL EQUIPMENT, INC.
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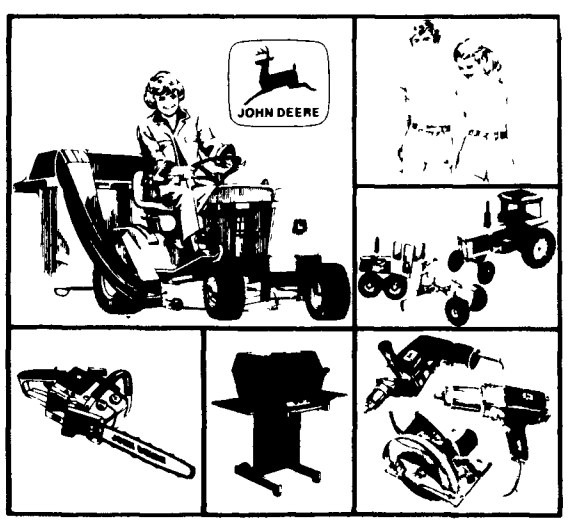
For Everyone On Your List... Quality Gifts From John Deere

Everyone on your holiday list will appreciate a long-lasting gift from John Deere. Practical gifts. Fun gifts. Gifts for kids and adults. We have gift ideas for just about everybody.

Choose from lawn and garden tractors, riding mowers, and push-type mowers... chain saws... gas grills...hand tools... toys... casual wear clothing... and much, much more. See us soon for best selection.



Maple Croft

(Continued from Page B2)

A combination of factors worked together to get this mother-daughter team into business. Pam found no teaching job and her husband needed a place for his office. Ruth recalls, "When the schoolhouse came up for public sale the primary reason to purchase it was to use it as an insurance office." It also became a home for Pam and John, and it offered the perfect place for a business.

Pam says most of the changes they have made to the 1906 schoolhouse have been cosmetic, including sandblasting in the basement, and adding a loft to the main floor. "It's very victorian, with 12-foot ceilings."

The builidng had served as a restaurant and bar since giving up its life as a schoolhouse, so the basement was usable. The last time a business was open there was in 1965, although it continued to provide a home into the recent years.

Opening a business is not without pitfalls, but Ruth notes, "We are familiar with being in business for yourself, and we have always known the hazards and the disappointments. We understood the good and bad times.

"Some weeks are good, some are slow, but it has been steady," Pam adds. "We picked the right time to open and we plan to stay open through the winter."

Ruth says candidly, "Our husbands have enjoyed having us have the shop. We're both people who like to move furniture when we clean so we're always moving furniture at home. Here we can move furniture, pound nails into walls and hang things and no one minds."

One of the reasons for constantly moving things in a shop is that it makes it easier for people to see new items when they come into the shop. Pam points out, "We get new things at least once a week, but we also just move items and people think it is new just because it catches their eye."

On a more serious note, Ruth says, "Both husbands are very supportive of us." Pam agrees, "They are both good helpers. They will often come in in the afternoon to see how things are going."

Pam's husband is involved in making frames for her original work, and also cuts some of the wood for the houses she creates.

Up to this point they have done very little advertising, and Pam notes that their reputation has spread by word of mouth. Their location has been especially appreciated by people in the southern end of the county, where there are few shops of that kind.

Pam feels the growing number of shops offering similar merchandise is no problem, "as long as you carry quality merchandise at a reasonable price." Ruth adds, "We've been selective with craftspeople."

Some of their consignments come from people who have attended crafts sales and are not happy to have to make that investment in time and money. Pam states, "That's what I did. I went to a lot of craft shows and it's a lot of fun, but it takes a lot of time." Nevertheless she says attending the shows gave her some valuable knowledge which she is putting to work in her shop, as well as some important contacts for getting consignments.

Customers are mostly local people and Ruth points out, "People who make their own crafts are often our best customers because they know what goes into making it. Lots of times people who make things for themselves want to purchase similar items for gifts."

Pam adds, "There are certain things which take a lot of skill and a lot of equipment and people really can't do it themselves. Almost everything in the shop is signed and dated."

When asked about the popularity of "country," Ruth laughs, "We didn't get "country" with the trend. We always liked country. The farmhouse we live in is over 200 years old."

Of course the country look is very much a part of homes in Lancaster County, but Pam offers one reason why it is becoming popular even in large cities.

"People work with high tech all day and they want something a little different. People who work with computers want something with a person behind it. A lot of people don't have the time or can't make things themselves so they are glad to be able to purchase it."

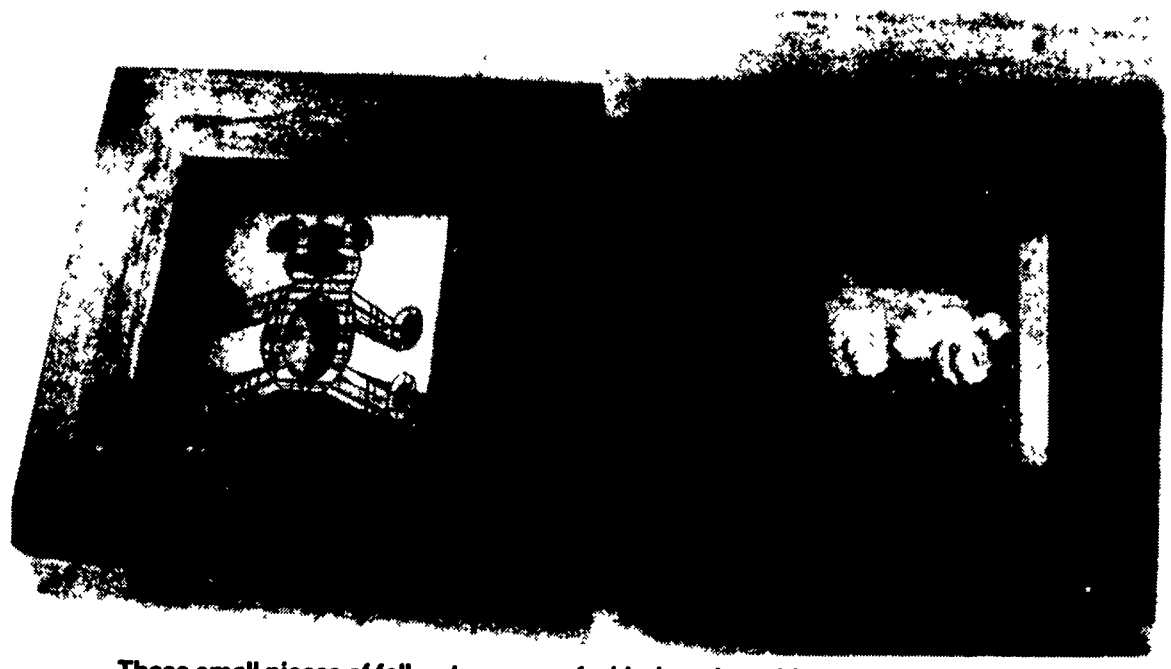
So just what are the elements of a country Christmas? Pam thinks about that and says, "The simpler the better. Handmade is the number one thing, and using red and green."

In the last five years Pam feels that there has been real interest in getting a new ornament each year for children in a family. "That is a touching thing, and as the children get older they will always remember the ornaments from years past."

Personally, she reflects, "Christmas isn't fancy to us. We always bake cookies at Christmas, and always go to Christmas Eve services at church. And I always got a new pair of pajamas for Christmas which I got to open the night before." This particular custom ensured that she had nice pajamas for the inevitable Christmas morning pictures.

Pam says that grapevine wreaths remain popular in the shop, and sheep are a very popular animal. "But we have not been pressed for one particular thing."

For most readers, a "county Christmas" is a natural part of their celebrations. For those who want a little help in that direction, a visit to Maple croft shop may be beneficial.



These small pieces of folk art are one of a kind, and would add a whimsical touch to any child's room. Pam creates these works of art at her basement workroom.

Green Clovers 4-H Prep Club

Preppers in the Green Clovers 4-H Prep Club held two meetings during November. First they visited a bird farm. The group learned how pheasants and quails were raised. They were fascinated by the little glasses that the birds wore. A Thanksgiving project and nature walk took place during the second meeting.

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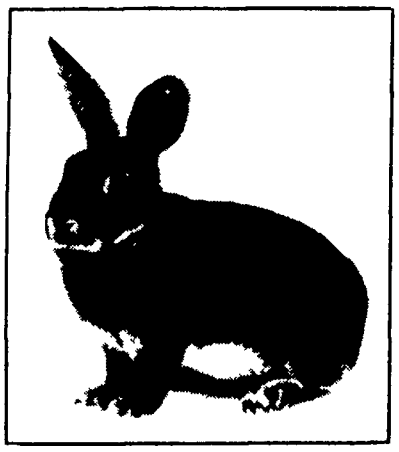

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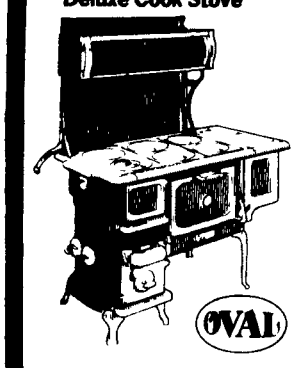

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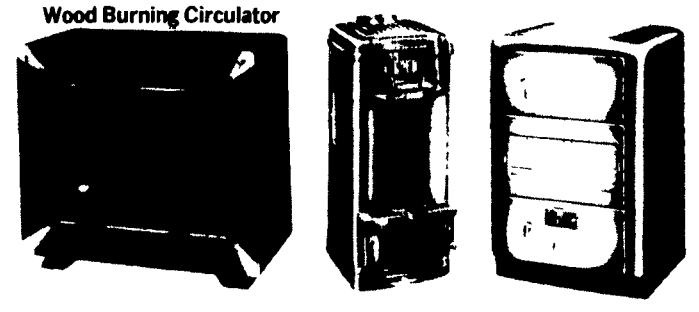

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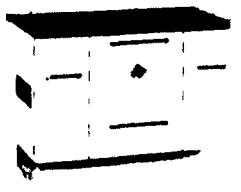
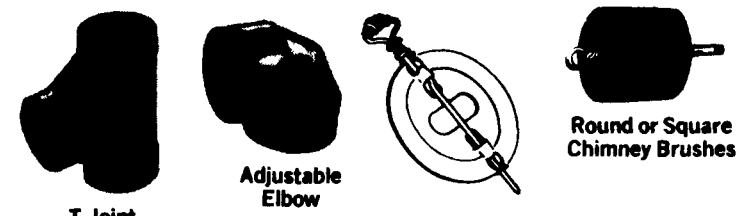


STOVE PIPE AND FITTINGS



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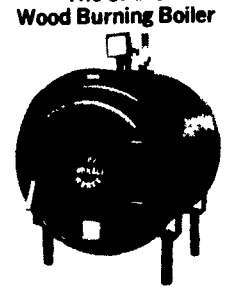

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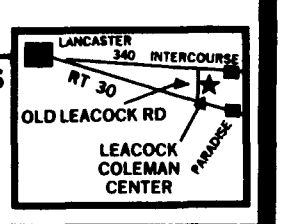

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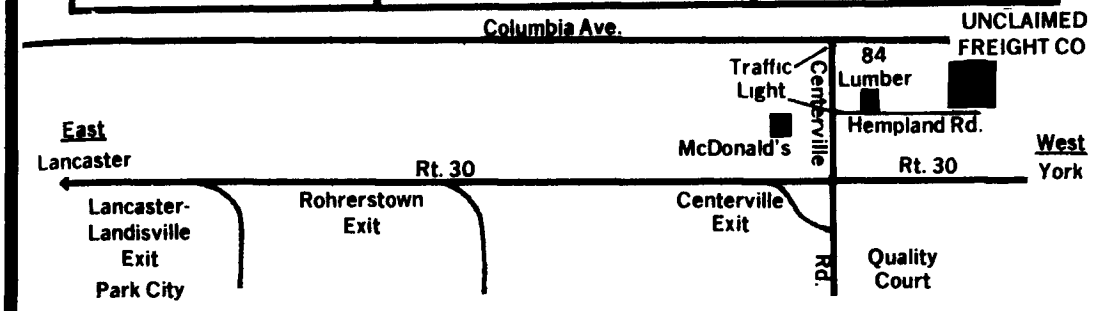

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Ladies Have You Heard?

By Doris Thomas
Lancaster Extension Home Economist

HANDLE YOUR THANKSGIVING TURKEY WITH CARE

Christmas is approaching, and to many people this means another plump, stuffed turkey to grace the family table. And now is an especially good time to use turkey in as many ways as you wish because, according to marketing specialists with the U.S. Department of Agriculture, they are now in plentiful supply.

But before you cook that beautiful bird, remember that there are important procedures to follow to prevent food-borne illness. Fowl presents a special problem to the cook — not because of the nature of the bird, but because of the way in which it is usually prepared. Americans generally seem to prefer their holiday fowl stuffed.

It's the stuffing that causes the problem. This is true whether it is made of bread, meat, or other mixture.

If you want to be super safe, you should cook your turkey and stuffing separately. Most people don't. And, most cooks believe the turkey and stuffing add flavor to each other. Usually tightly packed, the stuffing is the last part of the bird to cook up to temperature. So, if you cook the bird and stuffing together, make sure the interior of the bird reaches 185 degrees, and the stuffing 165 degrees Fahrenheit.

Stuff the bird before you cook it. Don't stuff it and then leave it in the refrigerator overnight. There is a possibility that under those conditions bacteria will multiply to high levels in the stuffing before you get it into the oven. Then, if the bird is not cooked long enough, you and your family could fall victim to one of the three most common types of food poisonings.

Bacteria will not have multiplied in commercially stuffed and frozen fowl if thoroughly frozen by the processor. However, it is best not to thaw frozen-stuffed turkey first, but to cook it frozen and be sure to use a thermometer. The only disadvantage is that it will take longer. You can cook an unstuffed frozen turkey the same way. If you want to thaw the unstuffed bird first, do it in the refrigerator or in a plastic bag under cold water.

In either case, cook the bird thoroughly to destroy any bacteria that might have had time to multiply.

Most people have leftovers after cooking a large bird. These also need to be handled with care. Remove leftover stuffing from the turkey and place it separately in the refrigerator or freezer. Don't let it sit out longer than necessary after the meal; in any case, never more than two hours total at room temperature.

Generally, stuffing will be loose when re-served. So, you should reheat it to 140 degrees, before reserving, for safety sake. The turkey also should be heated to that temperature.

GET MORE FROM YOUR HOLIDAY TURKEY

Larger turkeys are usually a few cents cheaper than small or medium size birds. The large birds also yield more meat per pound, making them a good food buy in these inflationary days.

That extra turkey meat is only a good buy, however, if you use it in ways you and your family enjoy.

Here are several ways you can use turkey parts and leftovers:

— Turkey giblets are good in sauces, gravy and stuffings.

— Turkey liver can be added to salads, stuffing, gravy or sandwich spreads.

— Sliced turkey can be served hot or cold in sandwiches or in casseroles.

— Turkey pieces (chunks or cubes) can be incorporated into stews or pies, casseroles, creamed turkey dishes, chow mein or spaghetti.

— Ground turkey is useful in hash, sandwich spreads, croquettes, and timbales.

— Turkey bones, bits and skin can be used to make stock or bouillon.

— Turkey stock can be used for soups, jellied consumme, sauces and casseroles

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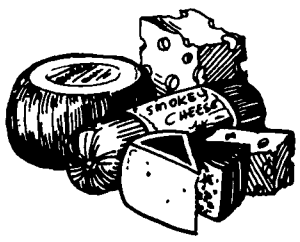
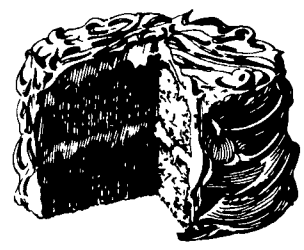


Home On The Range



Warm Bread or Biscuits Take the Chill Out of a Cool Morning

It's hard to crawl out of a warm bed when the wind is blowing cold outside, and the sun has yet to appear from behind clouds that look like snow is in the forecast.

Somehow, the smell of warm, freshly baked bread makes the morning seem more inviting.

Warm rolls also taste great with an evening meal, especially with a bowl of steaming hot soup.

TOMATO ROLLS

1 cup warm water (105 to 115 degrees)
2 packages active dry yeast
3/4 cup lukewarm tomato sauce
5 3/4 to 6 1/4 cups all purpose flour
1/4 cup sugar
1 teaspoon salt
3/4 cup margarine, melted
2 eggs, at room temperature

Measure warm water into large warm bowl. Sprinkle in yeast; stir until dissolved. Add tomato sauce and 2 1/2 cups flour; beat until smooth. Cover; let rise in warm place, free from draft, until bubbly, about 45 minutes. Add sugar, salt, margarine and eggs to the sponge and mix well. Stir in enough remaining flour to make soft dough. Cover; let rise in warm place, free from draft, until doubled in bulk, about 45 minutes.

Punch dough down. Turn out onto floured board and knead lightly for 30 seconds. Divide dough into 30 equal pieces. Form each piece into ball. Place in greased muffin pan cups. Cover; let rise in warm place, free from draft, until doubled in bulk, about one hour. Bake at 375 degrees for 12 to 15 minutes or until done. Remove from pans; cool on wire racks.

The following three recipes were sent in by Betty Biehl, Mertztown:

CORN BREAD

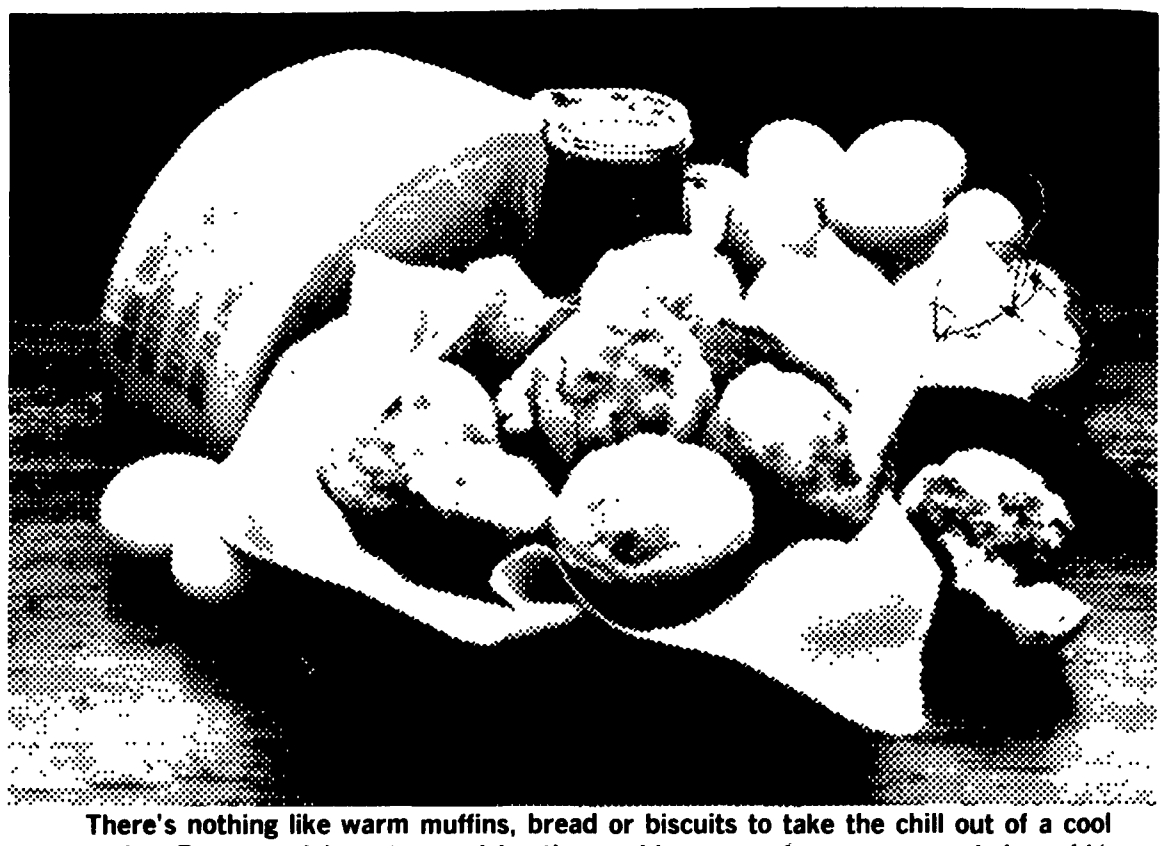
1 egg
1/4 cup sugar
1 teaspoon salt
1 cup buttermilk or sour milk
1 teaspoon baking soda
2 teaspoons melting shortening
1 cup flour
1 cup corn meal

Mix together until fairly smooth. Pour in shallow greased pan. Bake in 400-degree oven for 20 to 25 minutes.

BANANA BREAD

1/3 cup shortening
2/3 cup sugar
2 3/4 teaspoon baking powder
1 cup mashed bananas
2 eggs, slightly beaten
1 3/4 cup flour
1/2 teaspoon salt

Beat shortening fop 2 minutes, gradually add sugar. Add eggs, beat until thick. Sift dry ingredients, add to sugar mixture alternately with bananas. Bake in 350-degree oven for 60 to 70 minutes. Cool in pan.



There's nothing like warm muffins, bread or biscuits to take the chill out of a cool morning. For a special treat, try mixing three tablespoons of orange marmalade and ¼ teaspoon cloves to ½ cup of butter.

POPOVERS

2 eggs
1 cup milk
1 cup flour
1/4 teaspoon salt
1/2 teaspoon baking soda

Heat oven to 450 degrees. Put all ingredients into blender. Cover and process at "blend" until smooth. Fill well-greased muffin tins half full. Bake at 450 degrees for 10 minutes. Reduce heat to 350 degrees and bake for 35 minutes longer.

CHILI CHEESE BISCUITS

2 1/4 cups buttermilk baking mix
1 1/2 teaspoons chili powder
1 teaspoon onion powder
2/3 cup dairy sour cream
1/4 cup shredded cheddar cheese

Preheat oven to 450 degrees. In a large bowl, combine baking mix, chili powder and onion powder. Add sour cream and cheese; mix until mixture is moistened. On a lightly floured board with a floured rolling pin roll dough 1/2-inch thick. Cut with a 2-inch biscuit cutter dipped in flour. Place on an ungreased baking sheet. Re-roll and cut remaining dough. Bake until biscuits are golden for 12 to 15 minutes.

BROWN AND WHITE BREAD TWISTS

White Bread:

Scald three cups milk and add 1/2 cup sugar, 1/2 cup lard and 2 tablespoons salt.

Cool to lukewarm. Dissolve 3 tablespoons yeast in a 1/2 cup warm water (105 to 115 degrees). Add approximately 15 cups white flour. Knead and let rise for 20 minutes.

Brown Bread:

Scald 2 2/3 cups milk. Add 1/2 cup butter and 1 cup sugar and 2 teaspoons salt. Dissolve 1 tablespoon yeast in 2 cups warm water. When milk mixture is cool, add 2 beaten eggs. Sift together 5 cups whole wheat flour and 7 to 8 cups white flour. Add milk mixture to flour and also stir in yeast. Knead and let rise for 20 minutes.

Punch down both bread doughs and let rise again, until dough rises to double in size. Punch down and divide each of the doughs into 6 portions. Knead dough to equal the length of the pan. Twist one brown portion and one white portion together so it looks like a candy cane. Do the remaining portions like the one above. Place in greased bread pans. Let rise and bake at 350 degrees for 1/2 hour.

Karen Eby
Williamsport

CRUNCHY BRAN ROLLS

4 1/2 to 5 cups unsifted white flour
3 cups unsifted whole wheat flour

(Turn to Page B8)

Cook's Question Corner

ANSWER - A few weeks ago, Mrs. Wesley Werner, N.Y., wrote to us for a vanilla cake recipe from scratch. Thanks go to Thelma C. Alexander, Phoenixville, for the following response.

Buttermilk White Cake

2¼ cups sifted cake flour	¼ cup butter or margarine
1½ cups sugar	¼ cup shortening
1 teaspoon salt	1½ teaspoons vanilla
1 teaspoon baking soda	1 cup buttermilk
1 teaspoon baking powder	4 egg whites

Sift together dry ingredients into mixing bowl. Add butter, shortening, vanilla and ¾ cup buttermilk, beat two minutes at medium speed on electric mixer. Add remaining buttermilk and egg whites. Beat two minutes more. Bake in two greased and floured 9x1 ½-inch round pans at 350 degrees for 25 to 30 minutes. Cool 10 minutes. Remove from pans. Cool.

QUESTION - *In your file do you have a recipe for a candy apple - other than caramels?*

Mrs. Kenneth Goss
Lewistown

Recipe Topics

November	
26	Bread, Buns, Biscuits
December	
3	Cookies, Cookies, Cookies
10	Everybody Loves Potatoes!
17	Christmas Desserts

Featured Recipe

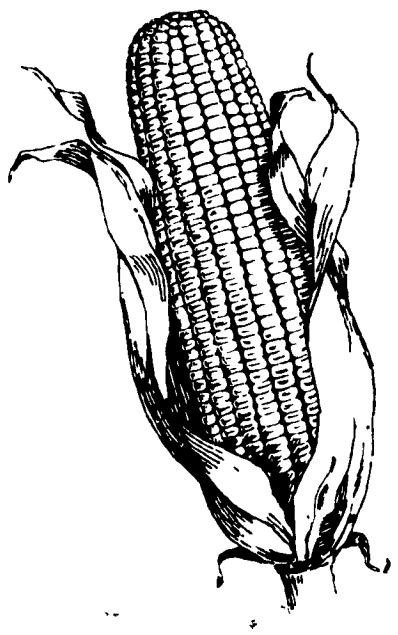
This week's featured recipe comes from Audrey Hallgren, co-operator of the Microwave Gourmets' Cooking School. Serve her zucchini-date nut bread to holiday guests, and read about Audrey on page .

Zucchini-Date Nut Bread

1 cup cooking oil	2 teaspoons cinnamon
2 cups packed brown sugar	1 teaspoon baking powder
4 eggs	1 teaspoon soda
3 cups shredded zucchini squash	1 teaspoon salt
1½ cups chopped dates	1 cup chopped nuts
1 teaspoon vanilla	2 to 3 tablespoons graham
3½ cups unsifted all-purpose flour	cracker crumbs

Blend together oil and brown sugar in large mixing bowl. Add eggs, one at a time, beating well after each. Add remaining ingredients except graham cracker crumbs. Stir until thoroughly mixed. Grease bottom and sides of two 8x4 or 9x5-inch plastic or glass loaf dishes. Sprinkle with graham cracker crumbs; shake out excess crumbs. Divide batter between two dishes; spread evenly.

Microwave on medium-50 percent one loaf at a time, uncovered for 10 minutes, rotating dish once or twice. Rotate dish. Then microwave high for 6 to 7 minutes or until surface is no longer doughy, rotating dish once. Cool 10 minutes. Turn bread out of dish and cool completely. Repeat with remaining loaf. Wrap each loaf tightly and store in refrigerator at least several hours before slicing and serving.



DEKALB

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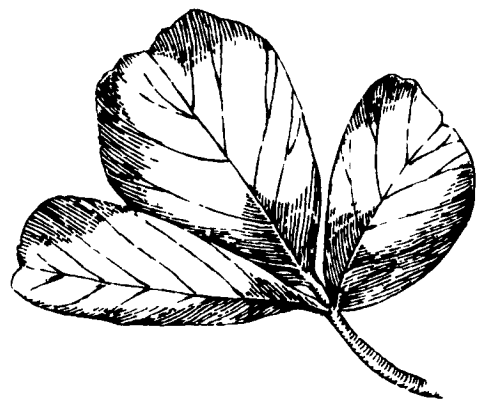

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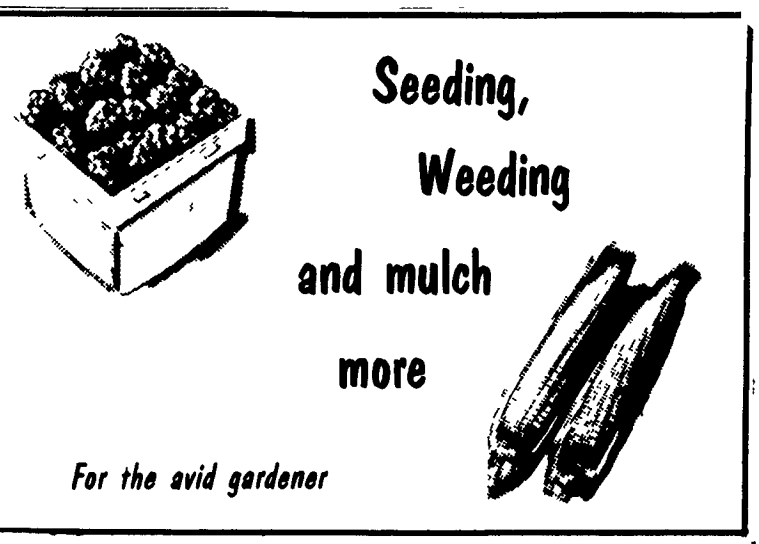

End-of-season yard and garden cleanup can give you a head start on insect control for next year. Most plant pests overwinter in, on, or near the plants they infest. It is possible to control some of them through cultural practices.

Garden and yard litter provides winter shelter for several common pests. Removing and destroying that litter-plant remains, weeds, old mulch, fallen leaves-and clearing away garden miscellany like rocks, boards, equipment, will remove the insects themselves or alter the protective environment. Among the garden pests that may be controlled this way are squash bug, cucumber, flea, asparagus and Mexican bean beetle, tarnished plant bug, rose slugs, cabbage worm, corn borer, fall web worm, iris borer and garden slugs.

Careful scrutiny of plants may turn up life stages of some pests that can then be destroyed directly. Egg masses of tent caterpillars are small (less than 1 inch in length), firm, shiny brown "swellings" on twigs of trees they infest - wild cherry, apple, and crabapple are favorites. Pruning out these twigs is the easiest removal method. Unhatched gypsy moth egg masses are light tan and spongy looking but firm to touch, and may be found on any number of sheltered sites, including buildings, outdoor equipment, furniture and play things, as well as more obvious areas - tree trunks, leaf litter, wood piles and rock walls. Scrape the masses into a container of hot water, household bleach or ammonia.

As you work around the yard, keep an eye out for the cone-like bags of bagworms on deciduous species as well as on the evergreens they most commonly

As you work around the yard, keep an eye out for the cone-line bags of bagworms on deciduous species as well as on the evergreens they most commonly infest - arborvitae, juniper and pine. The bags contain the eggs for next years leaf-devouring caterpillars pick them off and destroy them.

Dormant season pruning is an excellent way to control European pine shoot moth. The larva, which causes dead, bent twigs on Scotch, Austrian, mugho and Japanese black pines, overwinters in those damaged portions. Prune them out and get rid of the pest.

Careful garden cleanup can help clean up many pest problems.

Warm Bread

(Continued from Page B6)

2 1/3 cups warm water (105 to 115 degrees)
2 packages active dry yeast
1/3 cup sugar
4 teaspoons salt
1/3 cup margarine, softened
1/3 cup instant non-fat dry milk
1 cup whole bran cereal
1/4 cup margarine, melted
1 cup crushed whole bran cereal

Combine 3 1/2 cups white flour and whole wheat flour. Measure warm water into warm bowl. Sprinkle in yeast; stir until dissolved. Add sugar, salt, softened margarine, non-fat dry milk, 3 cups flour mixture and 1 cup whole bran cereal. Beat until smooth. Stir in remaining flour mixture and enough additional white flour to make a stiff dough. Turn out onto lightly floured board, knead until smooth and elastic, about 8 to 10 minutes. Place in a greased bowl, turning to grease top. Cover; let rise in warm place, free from draft, until double in bulk, about 1 hour.

Punch dough down; divide into 20 equal pieces. Shape pieces into smooth balls. Dip balls in melted margarine and then in crushed bran cereal. Place in a greased 13X9X2-inch pan. Cover; let rise in warm place, free from draft, until doubled in bulk, about 1 hour and 10 minutes.

Bake at 375 degrees for 25 minutes or until done. Remove rolls from pan and cool on wire rack.

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the difference when you roll your silage with a
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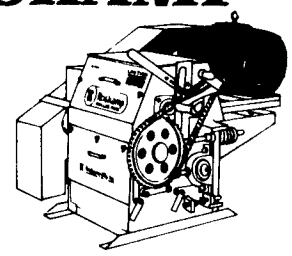

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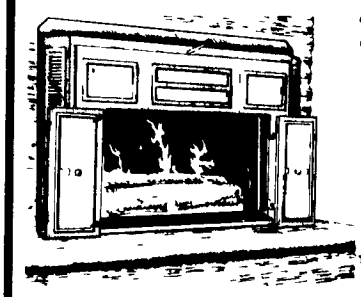

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4-H Board of Directors Elects Officers

LEBANON — The Lebanon County 4-H Board of Directors recently elected officers who presided at the Nov. 15 meeting.

Officers for the 1983-84 year are: Chairman, John Balmer; Vice Chairman, Nancy Hoke; Secretary, Gail Shiner; Assistant Secretary, Kim Binkley; and Treasurer, Jim Connor.

Balmer, a 16-year 4-H leader, is also co-chairman of the Lebanon Area Fair. He is employed by Evergreen Tractor Company.

Chairman Balmer announced committee assignments. Chairmen are: Publicity and Promotion, Judy LeRoy; Finance, Jack Reed; Manpower, Jim Connor; Recognition, Dorothy Moyer; Leadership, Nancy Hoke; Program Evaluation and Curriculum, Phyllis Paine; 4-H Leaders of Lebanon County, Henry Smith.

The next meeting is set for Dec. 20 in the Extension Office. Meetings are open to any interested person

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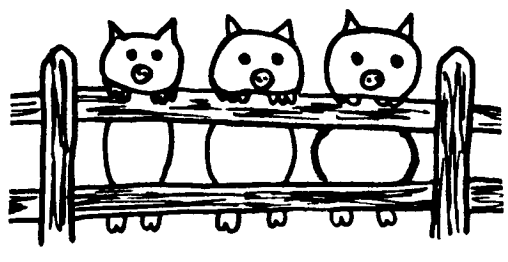

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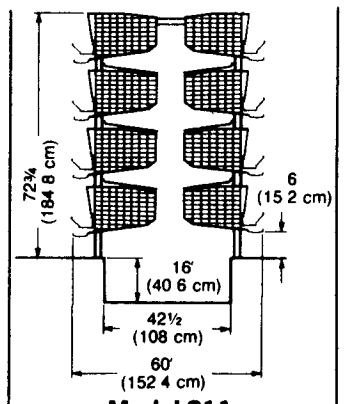
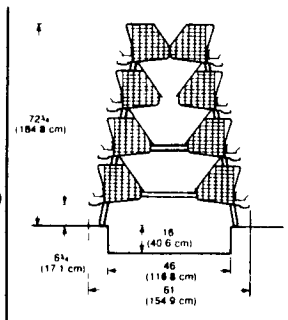
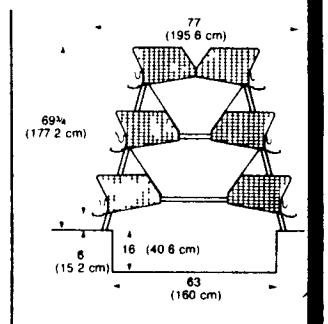


Model 811
4 High
4 Rows-200' - 28,800 Birds
4 Rows-300' - 43,200 Birds
6 Rows-400' - 86,400 Birds



Model 834
4 High
6 or 7 Birds/Cage



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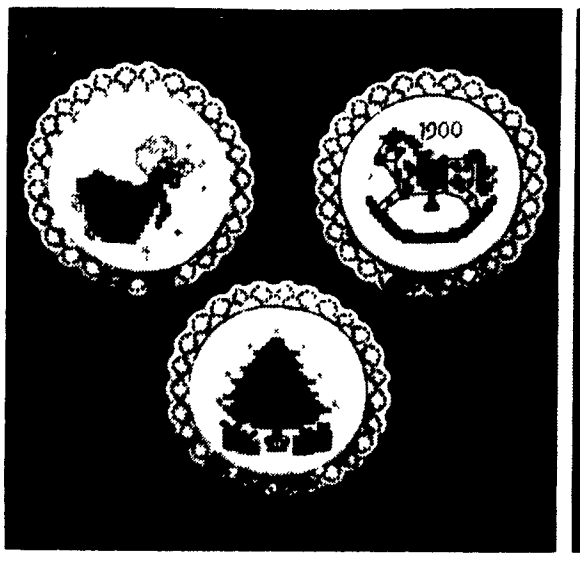

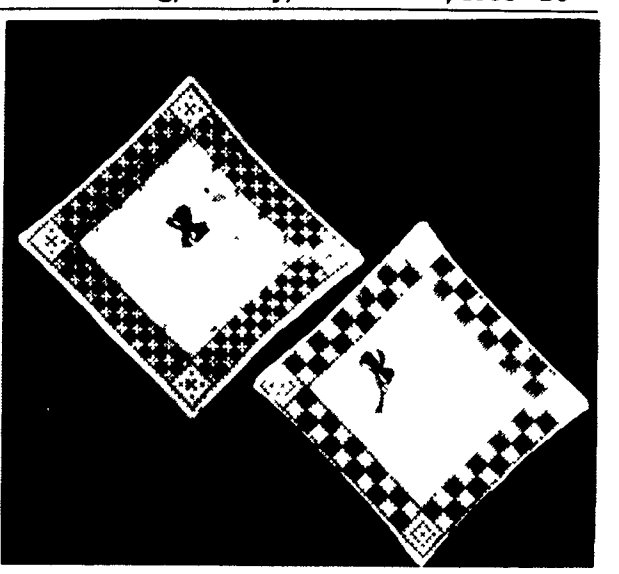

Crafts for Christmas

Hand-crafted gifts and ornaments are fun to give and a pleasure to receive at holiday time. When you make them yourself, gifts and ornaments become wonderful expressions of friendship and love.

Pot holders and ornaments, like the ones in the photograph, are ideal to make for friends, family or yourself. The projects are available as kits and may be ordered by writing to the address below.

The Christmas ornaments are done in counted cross-stitch. The pot holders, on the other hand, feature cross-stich embroidery on a stamped "country critters" design. You can embroider your own pot holders now, however, in any design, by following the directions in this column.

Pot holders are ideal gifts because no one ever seems to have enough of them. They're simple to make with fabric, embroidery thread and batting. Here are the directions:

MATERIALS: Medium-weight, non-stretch, non-flammable fabric of cotton, cotton blend or felt; batting; embroidery floss; embroidery needle; iron-in transfer pattern; water-soluble marking pen, or paper, pencil; dressmaker's carbon; sewing supplies; iron.

PREPARATION: 1. Cut two 7-by-7-inch squares of fabric. 2. Cut one 7-by-7-inch square of muslin.

DESIGN: Choose from the following alternatives: 1. Press design onto fabric, using an iron-on transfer pattern. 2. Draw a design directly on pot holder front, using a water-soluble pen. 3. Draw design on paper. Then trace design onto pot holder front, using dressmaker's carbon.

EMBROIDERY: (a) Use outline stitches for words, outlines, and flower stems. (b) Use straight stitches at random or in rings to form flowers. (c) Use cross-stitches for borders or to fill large areas.

POT HOLDER LOOP: 1. Cut a 1½-by-4-inch strip of fabric. 2. Turn under ¼-inch hem on long edges. 3. Fold strip in half length-wise, with wrong side inside. 4. Machine-stitch side edge.

ASSEMBLY: 1. Stack squares together, with right sides of pot holder facing and batting on top. 2. Fold pot holder loop in half. Sandwich loop between pot holder front and back, matching raw edges of loop to top of edges of pot holder. 3. Baste edges through all thicknesses.

STITCHING: 1. Sew ½-inch seam all around, leaving a small opening for turning. 2. Trim batting close to seam. 3. Turn pot holder to right side. Turn raw edges inside and press. 4. Top-stitch pot holder near outside edges. 5. Stitch an inner border if desired.

FINISHING: 1. Remove any basting stitches or lose threads. 2. To remove pen marks, if any, wash pot holder in cold water.

THE "CALICO CRITTERS" POT HOLDERS KIT by "Dimensions" includes pre-printed fabric for two 6-by-6-inch cross-stitch pot holders; backing fabric; quilt batting; country blue and orange embroidery floss; easy-to-follow instructions.

KIT D-3037 $10 plus $2 postage.

THE CHRISTMAS ORNAMENTS KIT, also by "Dimensions", includes unprinted counted cross-stitch cloth for three 4-inch diameter ornaments; lace; backing; embroidery floss; gold metalic thread to accent designs; color-accented counted cross-stitch charts for angel; Christmas tree and rocking horse; easy-to-follow instructions.

KIT D-8310 $10 plus $2 postage and handling.

TO ORDER, send kit price, postage and handling and kit number to Lancaster Farming Box 366, Lititz, Pa. 17543.

Round Valley Riders

Many members of the Round Valley Riders 4-H Club participated in the Fall Horse Workshop held recently at the Extension Center. Club members who competed in the County 4-H Horse Bowl were: Julie Fulcher, Jennifer Smack, Sara Davis, Kris Kallstrom, Wendy DeMarco, Ali & Shennee Foldy, and Amy Vodraska. Coaches for the team were Michelle Smigelsky and Todd Lewis.

Members discussed plans for their Christmas Party. Michelle Smigelsky and Todd Lewis will heat the committee. The Christmas party will be held during their next meeting.

Lucky 4-H Club

Carrie Rosmarin joined the Lucky 4-H Club at their first November meeting. The club's Christmas party is scheduled for Dec. 19 at the Extension Center. Members made crafts at the second meeting.

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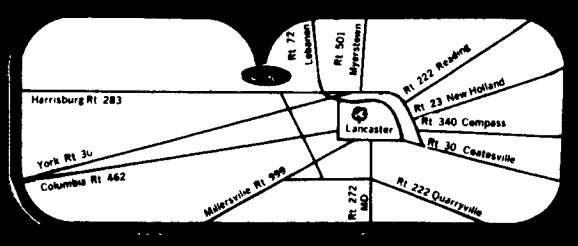

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Press a Potato Print

Potatoes are an important crop and a tasty food to eat, but did you ever think they could be used to print decorations? Well, they can, and now is a good time to try it. Why not use potato prints to make your own Christmas cards of Christmas decorations?

Here's what you need: potato, newspapers to protect your working surface, cutting board, brush, paint - watercolors, tempera or colored ink, heavy paper or cloth to print on.

Here's What you do:

1. Cut the potato in half.

2. With a pencil, draw the design you want on the potato.

3. Cut away the part of the potato that isn't part of the design. The design should stand up about ¼ inch when you finish cutting.

4. Brush paint on the design or dip the potato into the paint.

5. Paint the design on paper by pressing. But don't press too hard - or you'll have mashed potatoes. Don't be discouraged if your first prints aren't too terrific. It takes some experimenting.

6. Remember: The potato has to be repainted before every print. Once you get a good print, try it several ways: sideways, upside down, even overlapped.

Fairmounters 4-H Horse Club

Four new members joined the FairMounters 4-H Horse Club at their November meeting. They are: Gretchen Hyler, Kathy Boroska, Louis Ujazdowski, and Craig Reiner. Dr. James Smith spoke to the group about horse nutrition, parasites and proper stabling. Congratulations go to Karen Babb who received a county horse medal at the Achievement Dinner recently. Ten members attended the Fall Horse Workshop. Their annual Christmas party and End of the Year awards program will be held in December at the Fairmount Community Center.

1.)BALL 2.)BUSHES 3.)BOYS 4.)BIRDS 5.)BOOTS
6.)BIKE 7.)BOOKS 8.)BRICKS 9.)BARN 10.)BRIDGE

COLOR THIS!

1.	PEACH	6.	PINK
2.	RED	7.	GREEN
3.	YELLOW	8.	LT. BROWN
4.	BLUE	9.	LT. BLUE
5.	BROWN	10.	LT. GREEN

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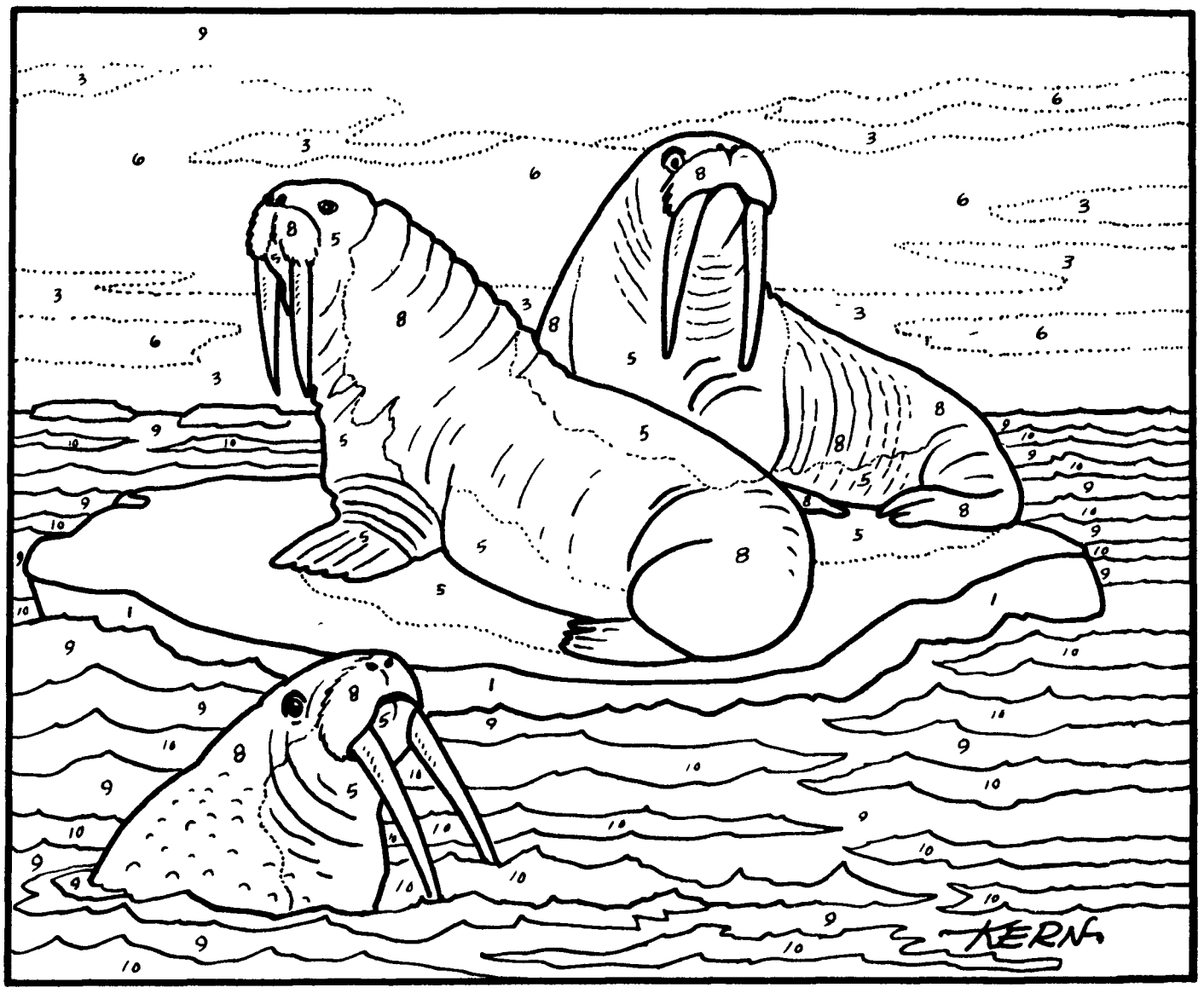
5-28-'81



Chester Co. Holds Beef Round-Up

WEST CHESTER — The Chester Co. 4-H Beef Round-Up took place recently at the Crebilly Farms, West Chester.

The grand champion Purebred Angus steer belonged to Anita Howe, age 13, Downington. It weighed 1200 pounds. The reserve grand champion steer belonged to Penny Bachman. The steer was a Purebred Angus and weighed 1200 pounds.

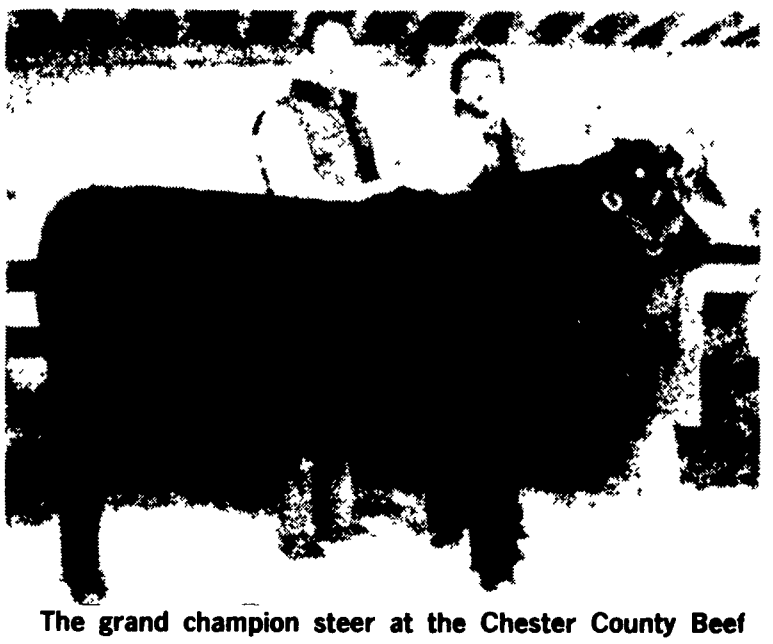
The results of the round-up are as follows:

Angus heifers - 1. Ken Walker 2. Don Cairns; Hereford heifer - 1. Beki Finkey; Lightweight steers - 1. Matthew Howe 2. Joe Smith 3. Douglas Howe.

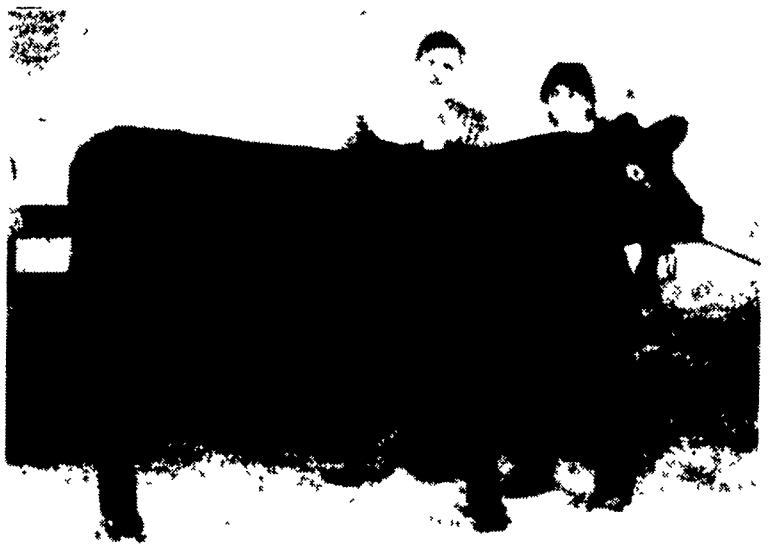
Mediumweight - 1. Ken Walker 2. Mark Rivers 3. Carl Crandall; Light Heavyweight - 1. Anita Howe 2. Penny Bachman 3. Rodney Howe; Heavyweight - 1. Ryan Rohrer 2. Tiffany Rohrer 3. Lisa Howe.

Showmanship awards were: Senior - 1. Rodney Howe 2. Ken Walker 3. Don Cairns; Juniors - 1. Tiffany Rohrer 2. Robbie Rohrer 3. Anita Howe.

First year member showmanship awards were: 1. Penny Bachman 2. Greg Davis 3. Matthew Howe.



The grand champion steer at the Chester County Beef Round-Up was owned by Anita Howe. Also in the picture are David Robinson, right, and Judge Lee Wagner. Robinson is the son of Mr. & Mrs. J.K. Robinson who donated the trophy.



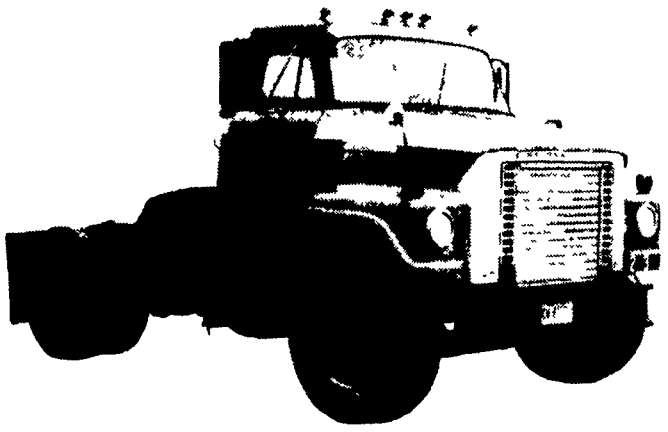
The reserve grand champion steer at the Chester County 4-H Beef Round-Up belonged to Penny Bachman. She is also pictured with Lamar Howe, son of Milton Howe who donated the trophy.

Hunterdon Co. 4-H Sheep Club

Hunterdon County 4-H Sheep Club members held their November meeting at the Hunter home in South Branch. Special congratulations go to all the club's county award winners. The Anna Schick Memorial Scholarship was presented to Gretchen Kuehn. Elizabeth Panacek received the outstanding 4-H Girl award. Michelle Fugazzi, Kevin Milz and John Sebastiano received sheep county medals. Melissa Yontz and Debbie Gengler, also county medal winners, emceed the program.

Carol Banach will head the Christmas Carolling committee. Charles Hildebrant is in charge of the Wreath committee. Kevin Milz gave a presentation on Awards during the meeting.

YOUR CHOICE



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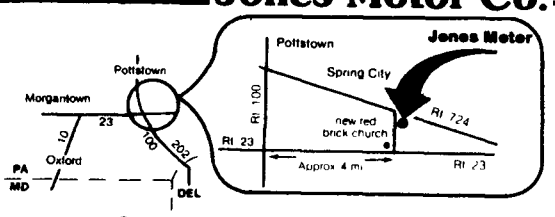

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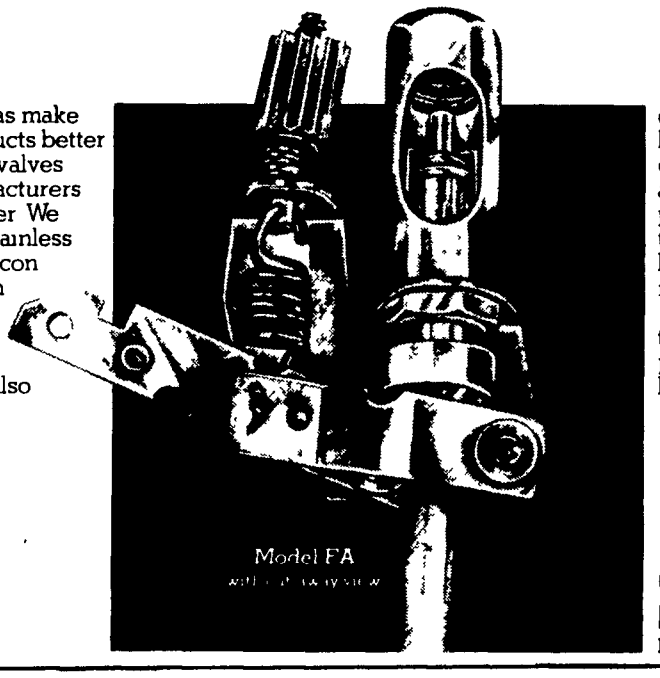

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Dauphin County Holds 4-H Beef, Sheep Round-up

HARRISBURG — Dauphin County 4-H'ers had a busy day Nov. 11 as they prepared their beef and sheep entries for the county livestock round-up held at the Farm Show complex.

Coming out on top in a field of 20 steer entries was Mike Messick, Middletown. The son of Mr. and Mrs. Mylin Messick, Mike has been a 4-H member for five years. Reserve honors went to Geraldine Popp, also of Middletown.

In the heifer competition, Tim Foreman, Hershey, showed the champion Angus heifer while his brother, Mark, captured the champion Simmental heifer honors. Dwayne Messick, Elizabethtown, exhibited the reserve champion angus heifer.

Showmanship winners in the beef contest were: senior showmanship - Dwayne Messick, Monique Sweigard and Dale Fisher; intermediate showmanship - Debbie Shope, Tim Foreman and Tammy Baker; and junior showmanship - Garth Sweigard, Dwayne Coble and Dawn Reigle.

The 4-H lamb title went to a Suffolk owned by Garth Sweigard, Halifax. Reserve honors went to a Hampshire lamb owned by John Snowden, Hershey. The two lambs will compete at the Farm Show in January.

Other lambs chosen by judge Glenn Kean to compete at the Farm Show belonged to Krista Hetrick, Palmyra; Linda Buffington, Millersburg; Scott Deppen, Halifax; and Chad Lebo, Halifax.

4-H BEEF ROUND-UP

Lightweight 880-990 lbs.

1. Dale Fisher; 2. Dwayne Coble; 3. David Coble.

Light Mediumweight 1005-1065 lbs.

1. Marc Webster; 2. Becky Webster; 3. Garth Sweigard.

Mediumweight 1115-1140 lbs.

1. Jim Lupey; 2. Cindy Baker; 3. John Lupey.

Light Heavyweight 1180-1220 lbs.

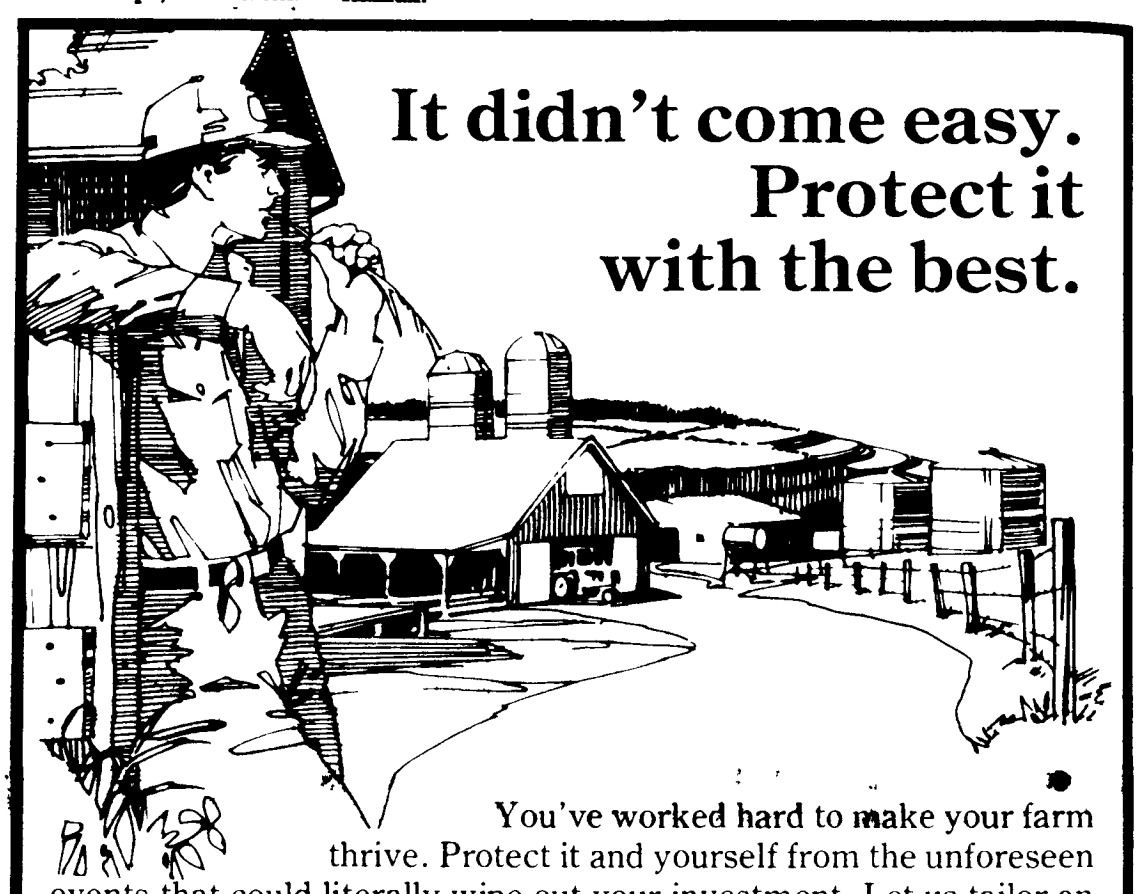
1. Dan Baker; 2. Tammy Baker; 3. Monique Sweigard.

Heavyweight 1270-1330 lbs.

1. Mike Messick; 2. Geraldine Popp; 3. Sally Messick.

Josephine Popp, right, Dauphin County 4-H leader, presents the grand champion steer honors to Mike Messick, Middletown, at the county's 4-H steer round-up.

Garth Sweigard, Halifax, poses with his grand champion lamb of the Dauphin County 4-H sheep round-up.



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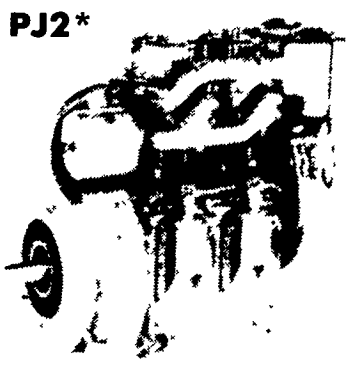

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Crawford Extension honors Schlosser

BY NANCY KUNICK
Staff Correspondent

COCHRANTON — The annual Crawford County Cooperative Extension Service banquet and meeting was held Nov. 10 at the Cochranton Fire Hall, with approximately 175 in attendance.

Several guests were introduced, including County Commissioners Ivan Rose and Oakley Lamb. Also Dairy Princess Kathy Worley, NW Pa. Lamb and Wool Queen Susan McClellan, and Pa. Alt. Jersey Queen Ann Sanderson, all of Crawford County, were on hand to welcome everyone.

A short business meeting was held which included election of Executive Committee members. Three awards were presented.

Carolyn Gilles, supervisor of the Nutrition Dept. presented awards to retiree Jean Bennett and special project winner for the NW Region, Margaret Mills.

President of the Extension Executive Committee John Tautin introduced Bernard Wingert, Warren Co. Ext. Agent to make the final special presentation.

Wingert, while adding humor to his talk, was serious as he related the nature of the award. He announced that Crawford Co. Extension Agent Blaine Schlosser has recently been given the Distinquished Service Award by the National Assoc. of Co. Agric. Agents. In addition Wingert, on behalf of the Pa. Assoc. of County Agents, presented Blaine Schlosser with the coveted "Nittany Lion" statue.

He added that Schlosser had begun his Extension work in 1959 and for the first two years worked in Warren Co. with him. Schlosser has been in Crawford County since 1961.

"Blaine is one of 106 in the nation to be considered the "cream of the crop". To be honored by one's peers is the highest award one can receive," Wingert said.

As Schlosser stepped forward to accept the well-known Nittany Lion, the applause continued as the group stood to honor the hard-working, and well-deserving county agent.

Schlosser was deeply touched as he modestly said: "I like to give credit where credit is due. My family...the county commissioners...the secretarial staff which is second to none, my co-workers with whom I've been fortunate to have little turnover and most importantly the people of the county who support the Extension programs."

The Extension programs were what the evening was all about. For something new this year the program consisted of seven county people directly linked in activities with the Extension. The "Extension People Report" began with Dave Reusing, a Jersey breeder involved with the milking school and the NW Pa. Colored Breed Assoc. Marge Foreman spoke on the activities of the Family Living Advisory Board and 4-H and Liz Vadosky talked of her satisfaction working at Nutritional Day Camp. "My rewards were hugs and smiles," she related.

Seventeen-year-old Letha Vlasnik spoke on her various 4-H activities; County Council, 4-H Camp, Textile Judging, etc. She said that Extension has backed her all the way and that 4-H has taught her to "appreciate what you can do for others and what they do for you."

Pat Bender, an avid 4-H supporter and mother, is directly affiliated with the NW Pa. Sheep Grower's Assoc. and was instrumental in getting their Queen contest started. "I've been trusting Blaine for 15 years to help me with my sheep", she added.

The sixth speaker, Mrs. Doneva Hyde asked of those present: "Can your hand work without your arm?" Can a tractor run without fuel? Can we farm without Extension? She knows as a DHIA director and 4-H leader the importance of the Extension Service.

The final report was by Ron Kerr, agricultural loan officer for Pennbank. He explained the importance of farm finances and knowledge of them. He helped with a two day seminar, in conjunction with Extension, on "Farm Financial Management". "With farm finances becoming increasingly demanding, we'll see more of this.", he concluded.

Crawford county agent Blaine Schlosser, left, receives "Nittany Lion" award to commemorate his national honors from Bernard Wingert.

Centaurs 4-H Horse Club

Members of the Centaurs 4-H Horse Club have been busy during October and November. They held a driving clinic and picnic at the Round Valley Youth Center. Many members attended the annual Horse Achievement Dinner in late October. Recently, they watched the National Horse Show at Madison Square Garden and took part in the Fall Horse Workshop. They plan to order jackets with the club name in the near future.

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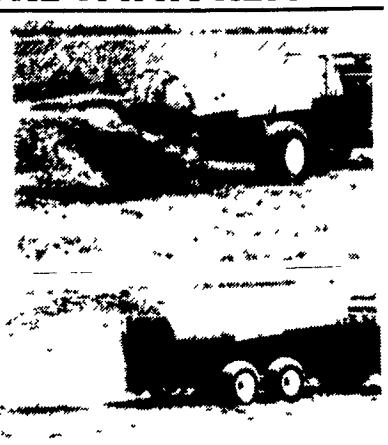

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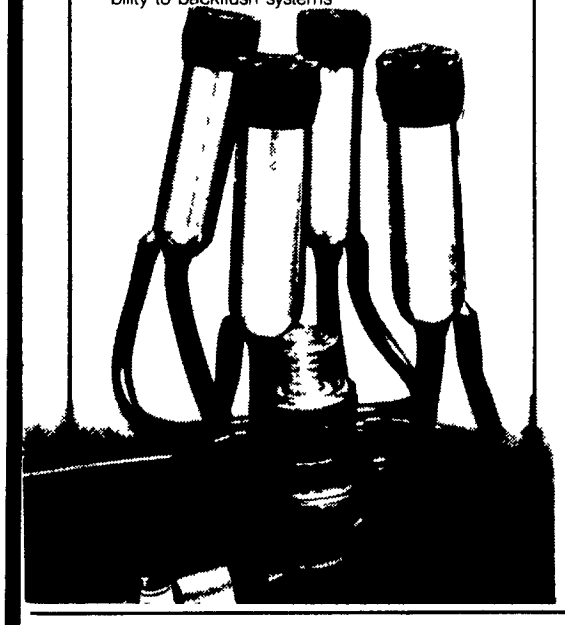

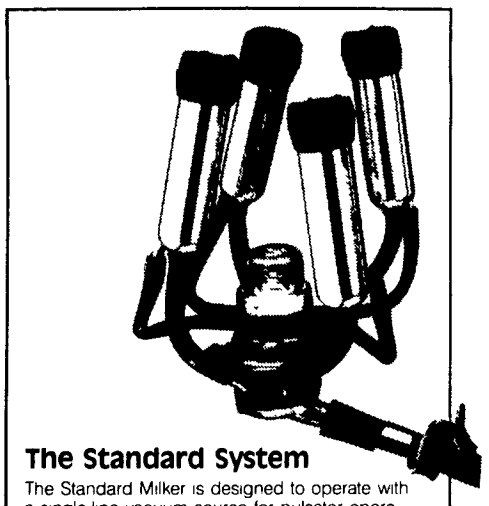

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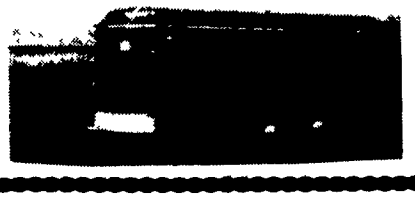

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Be a Microwave Gourmet

BY KIMBERLY HERR

LANCASTER — Gone is the idea that microwave ovens can only be used to reheat food. Many women, especially those with busy farm schedules, are using their microwaves to cook everything from pudding to turkey dinners.

"There are so many really good things you can make in a microwave with a gourmet touch," said Audrey Hallgren, who recently started the Microwave Gourmets' Cooking School, in cooperation with another microwaver, JoAnn Castello.

Audrey's school is located on the second floor of the Allen G. Musser Inc. store at 101 E. Main St., Ephrata. The classes last for two hours, and best of all, the participants get to eat everything they make.

"We just had a feeling that the time was right," said Audrey when asked why they started the school. According to Audrey, more and more women are going into the work force, which makes the need for quicker meal preparation greater.

"Older homemakers have been used to the conventional way of cooking for so long, but now they are being influenced by their daughters and daughter-in-laws," Audrey said.

Audrey, who claims to love to cook, has had no problem switching from the conventional oven to the microwave.

"I don't know what I'd do without it," she said. "I never worry about what I'm going to have anymore."

In addition to her cooking school, Audrey works for Amana and often goes into the homes of those who have purchased a microwave in order to show them the proper way of using it.

"Got More Time For Misbehavin Since I Started Microwavin" is the messiage written on Audrey Hallgren's apron. Audrey recently opened a microwave cooking school in Ephrata, Lancaster County.

"Right now I'm really busy because of Christmas," Audrey said, explaining that Christmas and Mother's Day are the peak times because so many women get the ovens for gifts.

JoAnn is also a representative for Amana, and this is how the two women met.

Audrey's last child - she has three - had gone to college, and she was left with time on her hands. When JoAnn called and asked her to work for Amana, she jumped at the chance, and from there the cooking school was born, as both women recognized the need for such classes.

Audrey described herself as the "lark" of the partnership, while JoAnn is the "owl." Audrey likes to be busy in the morning, while JoAnn prefers to be busy in the evenings. This works out well, especially during this time of year when various organizations ask them to do microwave demonstrations, and they have to split up in order to attend all of their engagements.

One of Audrey's favorite parts of her job is going into the homes to do demonstrations.

"I love to go out in their homes," she said. "That is my favorite. I never know what I'm going to get into."

Before she goes to the home, however, she likes the person to have had a chance to experiment with the microwave.

"If they haven't had that chance, they don't get as much out of it (her demonstration)," she said.

Audrey explained that she usually mixes up a meatloaf for the microwave owner to cook, because "that's easy for everyone." She also shows them how to cook by time and how to use a temperature probe. She will also show them the utensil test, which determines whether a utensil can be used in the microwave.

To determine that, she fills a cup half full of water and puts it next to the container being tested. After cooking for a minute and a half, the water should be hot and the utensil being tested should remain cool. If not, the utensil should not be used in the microwave.

"The people are really nice," Audrey said. "I learn a lot from them."

Pouring over the many microwave cookbooks now on the market is one of Audrey's pastimes.

One of the most important facts that the microwave owners learn from Audrey is that microwave cooking is a moist heat, while conventional cooking is a drier heat. Because of that, Audrey learned that when making cupcakes, it is important to use two cupcake papers instead of one.

Another lesson learned about cupcakes, according to Audrey, is that you only have to fill the papers half full because you get a lot more volume in the microwave. Because of that, you actually get more cupcakes from the batter, if you cook it in the microwave.

Another plus is that the "microwaves make beautiful sauces. I never get lumps when I make sauces in a microwave."

According to Audrey, it is important that you use a pan of the proper shape. She recommends using round or oval pans. If you use a square pan, the corners tend to get done before the center, which leads to overdone corners.

"One of the best dishes is a pie plate," she said.

"There's no reason why people can't adapt their recipes to a microwave," Audrey explained. "We've enjoyed it so, having a time saver."

"Microwave ovens will not do everything, but they will do 70 to 75 percent of whatever you have to do," Audrey said.

Audrey and JoAnn will be offering a special Christmas demonstration from 6:30 to 8:30 p.m. on Dec. 5 at their school. The fee will be $10. For more information contact JoAnn Castello, 808 Colony Circle, Lancaster, Pa. 17601.

Microwave Christmas Treats

Christmas is an excellent time to put that microwave to use as you are probably often pressed for time, but at the same time you want to have some tasty food for holiday dinners and drop-in guests. Try one of these and make your holiday recipes quick, but delicious.

Cranberry Cake

¼ cup butter or margarine
1 cup sugar
1 cup milk
1 teaspoon vanilla
2 cups unsifted all-purpose flour
2 teaspoons baking powder
1/8 teaspoon salt
2 cups fresh cranberries
1 teaspoon sugar
¼ teaspoon cinnamon

Microwave (on high) butter in uncovered glass mixing bowl for 30 to 45 seconds or until melted. Blend in 1 cup sugar. Mix in milk and vanilla. (Mixture may appear curdled.) Add flour, baking powder and salt; beat until smooth. Stir in cranberries. Spread in 8-inch square glass baking dish, greased on bottom only. Combine sugar and cinnamon. Sprinkle over cake. Microwave (on medium - 50 percent) uncovered, for 18 to 20 minutes, rotating dish once or twice. Then microwave (on high) for 4 to 5 minutes or until cake springs back when touched lightly, rotating dish once. Serve warm or cool with Butter Sauce.

Butter Sauce

½ cup butter
¾ cup half and half
1 cup sugar
½ teaspoon vanilla

Microwave (on high) butter in uncovered 1-quart glass mix 'n pour bowl for 7 to 9 minutes or until lightly browned, stirring 2 or 3 times. Stir in sugar. Gradually blend in half and half. Microwave (on high) uncovered 1½ to 2 minutes or until boiling, stirring once. Stir in vanilla. Serve warm over Cranberry Cake. This can also be used on ice cream or pound cake.

Wassail

1 quart apple cider
1 teaspoon ground allspice
½ teaspoon ground cloves
¼ teaspoon ground nutmeg
2 cinnamon sticks
½ cup orange juice
2 tablespoons lemon juice
½ cug sugar
2 tart medium apples, unpeeled and thinly sliced

In a 3-quart casserole place cider, allspice, cloves, nutmeg, cinnamon sticks, orange juice, lemon juice, sugar and apples. Microwave at high for 15 to 18 minutes until hot. Strain and serve.

Your Freezer Helps During Holidays

LANCASTER — Your home food freezer can be your best friend during the holidays. The freezer can hold a number of regular meals, special party foods and festive dishes. The freezer can also preserve left-overs after the holiday meal, says Greta C. Vairo, Extension home economist. In the days before the holidays, make extra quantities of casseroles and one-dish main meals as you prepare your regular meals.

Line the pans with aluminum foil and allow extra foil to fold over the top. Cook the food in the usual way until almost done. Use a light touch with seasoning because some spices become stronger during freezing. After baking, cook the food quickly. Wrap it in moisture-vapor-proof material, label and freeze at zero degrees Fahrenheit or below. With this method you'll be able to use the caserole in which you froze the food while the plan-ahead meal is in your freezer. When you're ready to serve that frozen meal, just pop it back into the dish you originally froze it in and heat. Use containers that will hold as much food as you intend to serve at one time.

When preparing special occasion foods for the freezer, remember that certain ingredients do not freeze well. Avoid freezing cooked egg white (meringues and fluffy frostings), raw vegetables and mayonnaise. Cakes may be frozen when frosted - just remember to unwrap before thawing, or freeze cake unfrosted. You can also freeze baked or unbaked pies. Rolls can be frozen partially baked, similar to commercial brown-and-serve products.

Large quantities of leftovers after holiday meals or parties are better stored in the freezer than the refrigerator. Freeze leftover turkey, stuffing and gravy if they won't be used within a day. Label foods clearly. The label should include the name of food, freezing date and number of servings in the packets. For maximum quality, use frozen foods within two or three months.

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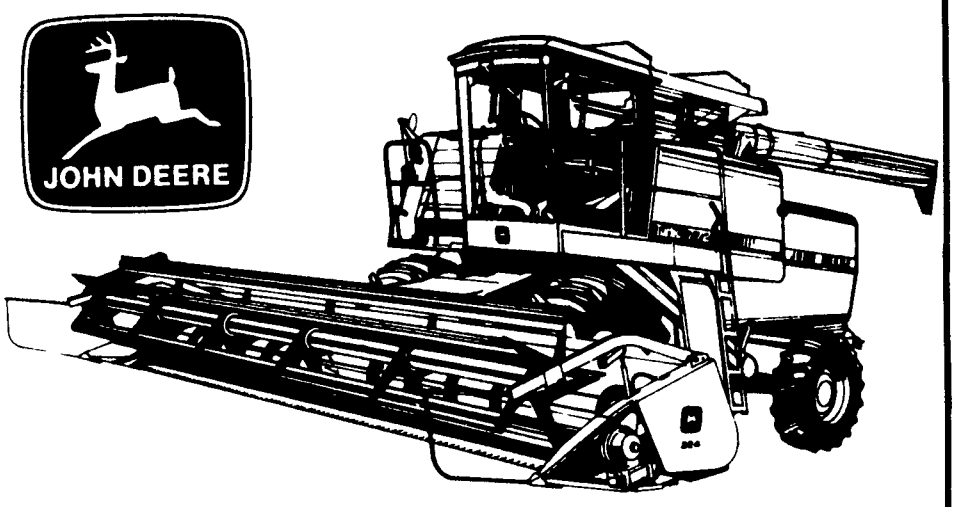

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Farm Women Societies

Lancaster Society 2

Lancaster Society 2, along with family and friends, enjoyed a "Local Appreciation Day," which included a tour of the Lititz Moravian Church, the Lititz Recreation Center and the Wilbur Chocolate Museum.

The December meeting will be a work day when members will make disposable bed pads for a local nursing home.

Lancaster Society 3

"Hors d'oeuvres for All Occasions," presented by Susan Doyle was the topic of Lancaster Society 3's recent meeting.

Delegates to the State Convention were chosen. They are: Doris Miller, Elva Stauffer and Anna Hoover. Plans were made to go Christmas caroling on Dec. 7., leaving from the Cloister Restaurant at 6 p.m.

Prior to the meeting, the members attended the viewing of Mary Royer, a charter member of Society 3 who passed away in her 101st year.

The Christmas meeting will be Dec. 17 at the home of Elva Stauffer. Members are asked to bring a $5 gift, if they wish to participate in the gift exchange.

Lancaster Society 7

Lancaster Society 7 met on Nov. 12 and responded to a roll call by naming a foreign guest they had entertained in their home.

The speaker for the evening was the Girl Scout Field Director of Lancaster County, Pam Silar.

The December meeting will take place at the home of Dorothy Wenger, Soudersberg.

Lancaster Society 11

Lancaster Society 11 met at the home of Violet Eshleman on Nov. 18 for a program about the services of the Lancaster County Office of the Aging. The program was given by Mrs. Nancy Morrow of the above office.

The members also enjoyed a plant auction.

The December meeting will be at the home of Betty Brabson Dec. 29.

Lancaster Society 18

Lancaster Society 18 met in the home of Helen Hess last Saturday and decided to give $250 in cash to five families or individuals as a Christmas project. Delegates to the State Convention were also elected.

A program, "A Treat with Turkey," was presented by Mary Sweigart. The next meeting will be Dec. 17 at 6 p.m. at the Hempfield Church of the Brethren.

Lancaster Society 20

Lancaster Society 20 met recently in the home of Marian Maulfair and decided to give food to a family for Thanksgiving.

The next meeting will be the Christmas party in the home of Patti Maulfair. Each member is asked to bring a handmade gift.

Members viewed slides from Deb Kreider's trip to Italy.

Lancaster Society 22

Lancaster Society 22 held their November meeting in the home of Sally Bair. Vi Weller, retiring president, thanked members for their cooperation during her term in office. She presented Sally Bair, the new president, with the gavel and a new president pin.

Mrs. Robert Bare had the program, instructing members on how to make gingerbread houses with graham crackers.

It was announced that the group won first prize for the most members present at the County Convention.

The next meeting will be a Christmas party in December at the home of Mrs. Lester Landis, Lancaster. A small gift exchange will take place.

Lancaster Society 27

Lancaster Society 27 met recently at the home of Mrs. Bob Kauffman, Elizabethtown R1. Mrs. Raymond Charles, director of the Mount Joy Re-Uzit Shop, gave a brief history on the shop.

Mrs. James Houseal entertained the members with a fashion show of fashions found at thrift, goodwill and re-uzit shops.

The December meeting will be at the home of Mrs. Wilmer Nissley, Mount Joy, on Dec. 6 at 6:30 p.m. The "Night of Sharing" will include a covered dish dinner and carol singing.

Green Valley Society 26

Green Valley Society 26 met recently at the home of Athena Beshore, with 16 members in attendance.

The Christmas banquet will be hald at the Strinestown Fire Company, and the December meeting will take place in the home of Carolyn Bailey.

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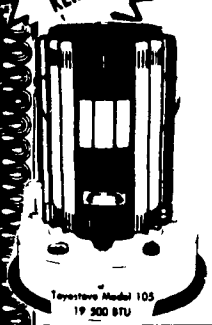
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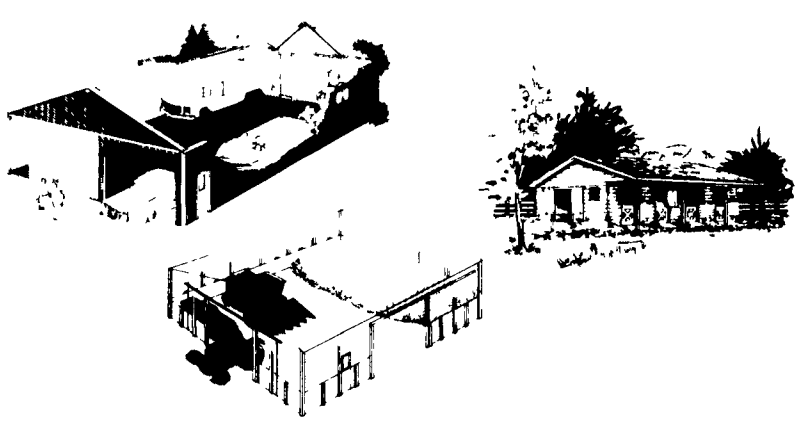
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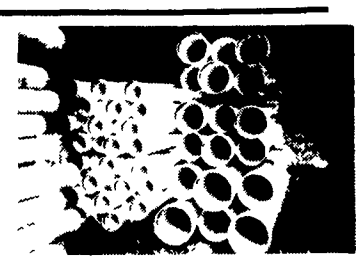
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Berks Society 6

Berks Society 6 held their November meeting in the home of Mrs. William Mest, Oley R2.

Final plans were discussed for the Christmas party on Dec. 9 at the Gilbertsville Fire Company at 7:30 p.m. Secret pals will be revealed and new names will be picked.

Fruit baskets and plants will be given to shut-ins over Christmas.

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Berks Society 9

Berks Society 9 met recently at the Agricultural Center for a Christmas craft program, given by Judy Stoudt, Faye Strickler and Phoebe Bitler.

A donation was given to the cheerleaders of the Daniel Boone School to go to competition in Texas.

Members and their husbands will go to the Oley Fire Company for their December meeting for their annual Christmas party.

Lancaster Society 21

Lancaster Society 21 met recently at the home of Labertha Tindall for their 35th anniversary celebration. Mrs. Ray Sauder, county president, and Mrs. Harry Hershey, county vice president, were in attendance.

It was announced that the members would sponsor Sherry Rohrer in the Miss Solanco Contest. Libby Ann Steinburg gave a talk on the past 35 years of the group, featuring some nights to remember.

The next meeting will be a Christmas party at Shady Maple on Dec. 8 at 6:30 p.m.

Alumnus Is Advisor to 4-H Congress

LEBANON — Greg Allwein, Lebanon, is serving as one of four 4-H Delegate Advisors to the 1983 National 4-H Congress being held in Chicago, Nov. 27-Dec. 1.

Greg, a 1982 state winner in Leadership, represents 13 Northeast States as a 4-H member on the planning committee. His duties include introducing speakers, and hosting invited guests. Throughout the year he gave suggestions to National 4-H Council staff who carry out the event.

Over 1600 4-H members will be recognized for outstanding achievement at the National Congress. One thousand dollar college scholarships will be awarded to about 200 National Winners.

Greg, a son of John and Mary Allwein, is a junior at Indiana University of Pennsylania and a graduate of Cedar Crest.

He was a 10-year member of the Norsolebco 4-H Club.

In 1982, Greg was employed by the county as a summer 4-H assistant in the city of Lebanon. Other 4-H involvement included Pennsylvania Leadership Congress, where he filled the highest leadership role of Leadership Council Advisor in 1983. Greg also attended Citizenship—Washington Focus, State 4-H Days, and served as a Camp Counselor. He was president of both his club and county 4-H Teen Council.

Two other Lebanon County 4-H'ers, Lori Reesor and Deb Bolles, will attend this year's Congress as state winners in Fashion Revue and Dog Care, respectively.

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(2) **SLANT BARS DO NOT** rub hair and hide from the top of livestocks' neck like cables do.
(3) **SLANT BARS PREVENT** the boss cow from disturbing all the animals feeding on one side of the feeder.
(4) **SLANT BARS DON'T** loosen like cables do — thus eliminating cattle getting hung in feeder.

QUESTION: Why Round Structural Tube and Pipe Construction?
ANSWER:
(1) **ROUND GIVES MORE** all directional strength than square tubing or angular steel when equal amounts of steel are used per foot.
(2) **ROUND OFFERS** less chance of livestock bruising.
(3) **ROUND CAUSES FEWER** cuts or ear tearing than angle iron, square tubing, or cable construction.

QUESTION: Why 360° Welds Along the Ends of Tubing and Pipe, Even Where You Don't See It?
ANSWER:
(1) **GREATER STRENGTH** than skip welds.
(2) **PREVENTS MOISTURE** from collecting inside hollow components thus reducing inner rust (no inside cancer like your car).

QUESTION: Why Use 55,000# High Tensile Strength Tubing with Walls as Heavy as 1/8"?
ANSWER:
(1) **TO WITHSTAND** the impact of large round bales dropped in by a farm loader.
(2) **TO WITHSTAND** the abuse that can be offered by a herd of cattle.
(3) **TO BE STRONG** enough to be loaded with 10 tons of feed and pulled through rough fields.

QUESTION: Why an All Formed Bottom with a Continuous End Weld?
ANSWER:
(1) **NO CRACKS OR CREVICES** to trap feed, which will cause rust.
(2) **LOAD STRENGTH — NO WELDS** to crack under 10 ton plus loads.
(3) **NO 90° CORNERS** at the side of feeder floor where cattle can't reach feed (thus leaving it to rot and cause rust in competitive models).

QUESTION: Why a 7' Wide Feeder?
ANSWER:
(1) **HANDLES LARGE ROUND BALES.** (
5½-6½' feeder.)
(2) **CAPACITY TO HOLD** the large amoun
Schoessow wagon will handle.

QUESTION: Why a 14" Deep Manger with t
ANSWER:
(1) **SAVES FEED — THE DEEP MANGE**
dollars saved to you.

QUESTION: Why 4' High Side Panels That
Removable?
ANSWER:
(1) **IN PLACE AND PROPERLY ADJUS**
down the loss of fine feed when choppin
milk test).
(2) **VERSATILITY — REMOVE THE BO**
large round bales.
(3) **VERSATILITY — ADJUST THE BOA**
to the manger to prevent feed hang up a

QUESTION: Why Wood Side Panels, Not St
ANSWER:
(1) **FEWER HEATING PROBLEMS** when
a sunny summer day.
(2) **LESS FEED FREEZING PROBLEMS**
tions qualities of wood.

QUESTION: Why Dip Painted Waferboard
ANSWER:
(1) **DEVELOPED** in the northwest for the
has tremendous ability to endure seve
tions.
(2) **WON'T PEEL** into layers like plywood
(3) **DIP PAINTING** has been proven effec
the material — it will last for years and

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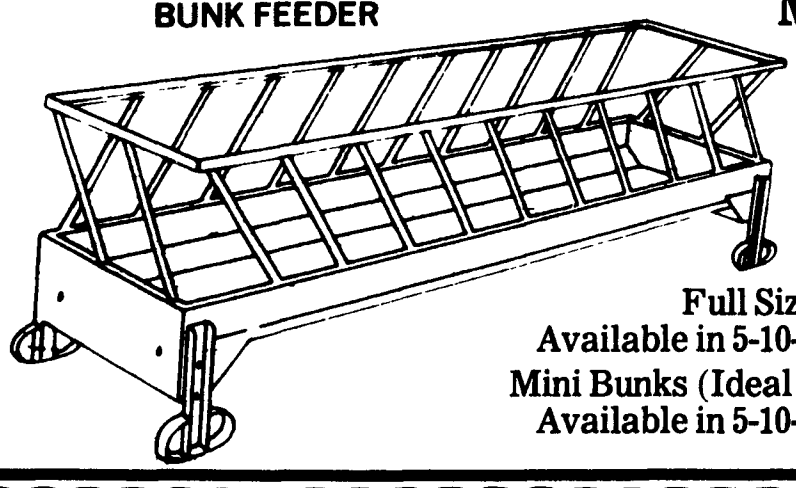

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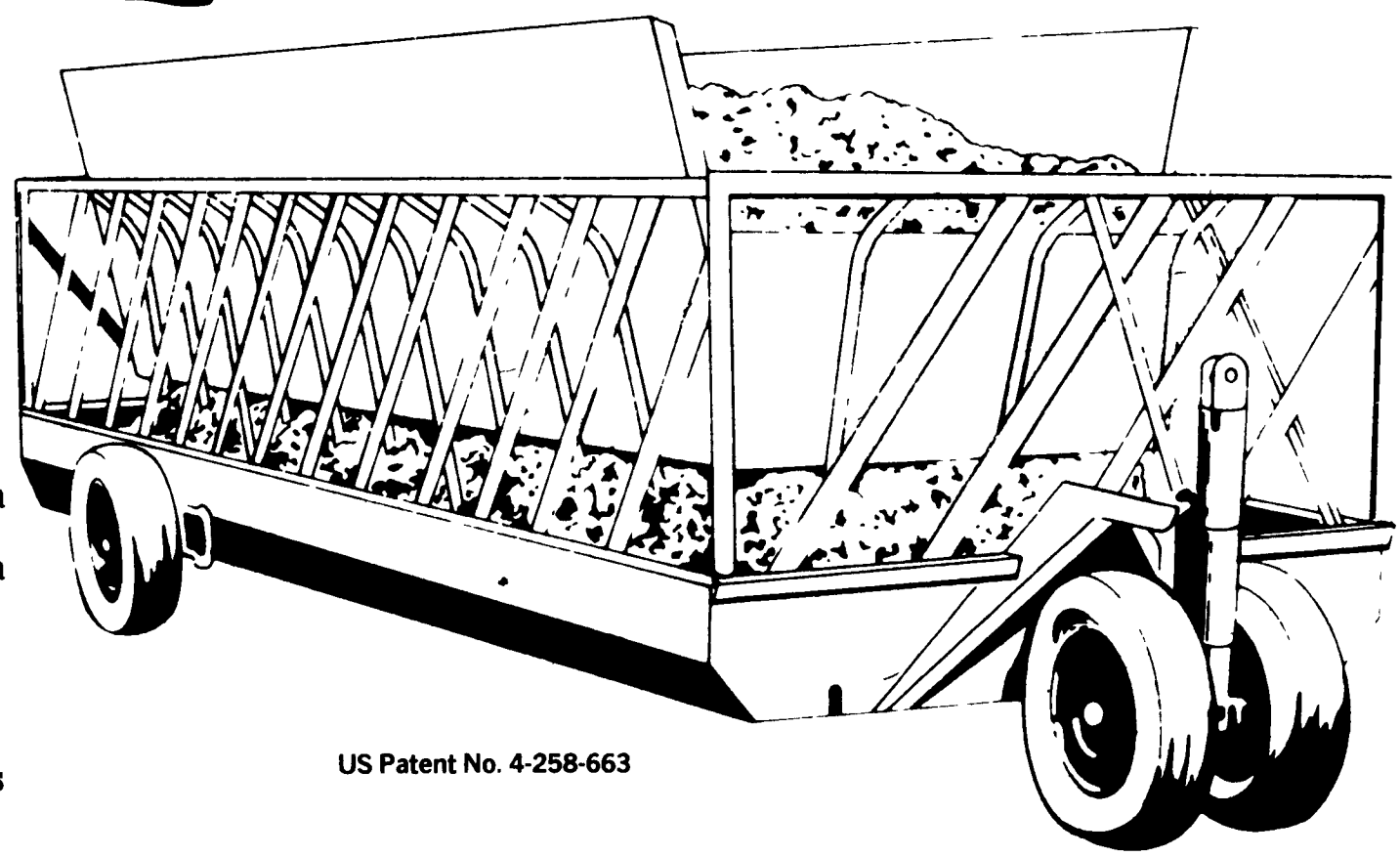

US Patent No. 4-258-663

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mounts of feed that the strength of a

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NGER and feed saving edge means

That are Adjustable and

JUSTED, the extra high panels cut
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up and feed waste.

lot Steel?

when feeding green chopped feed on

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ood will.
effective in resisting deterioration of
and years and years.

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On being a farm wife - And other hazards

Joyce Bupp

As November days go, this one was priceless.

The sky overhead throbbed with vibrant, deep blue, a brisk breeze, ruffled the tenacious leaves still clinging to the oaks and sunshine splashed the meadow with golden rays of warmth.

Certainly no day to sit at a typewriter. Deadlines or no deadlines.

So I went bear hunting.

After all, it was the first day of bear season. And, our still-male-dominated society tolerantly smiles on taking to the woods to prowl with a gun for wildlife, while questioning the value of hooking out of work just to go for a walk on a gorgeous day.

Like I said. I went bear hunting.

See, there's this abundant growth of bittersweet, just burdened with bright red-orange berries, way down on the far side of the heifer pasture, a good half-mile or so away. The branches are lovely in fall arrangements, or for adding color to holiday wreaths. Besides, maybe there was a bear hiding there in the thick brambles.

Rifles are a pain to lug around - not to mention my lack of a hunting license - so I armed myself with the trusty old pocketknife kept for cutting bale strings. The point of the blade is broken off, so the weapon is far from lethal, but in a pinch, with a snorting bear hot on my trail....who knows.

For extra added protection, Fritz tagged along. Fritz doesn't see too many bears here in our populated section of York County, but he'd doubtless chase one if he did. A groundhog hater with a vengeance, Fritz would likely figure the bruin was merely an overgrown, overstuffed woodchuck.

We poked along the fencerows, taking note that the multiflora roses are hanging heavy with berries, a possible sign of impending cold winter, with Mother Nature providing food for her bird children to nibble.

One stretch of fence was badly smashed, where the heifers had stretched their necks out over hunting tasty morsels, or maybe just sniffing for trouble. We yanked the crushed wire back up a couple of inches.

Farther along, a gate to the pasture was leaning badly, and any heifer in her right mischievous mind could have cleared it without half trying. Setting the gate back up, we re-wired it in place.

Well, I did anyway. Fritz was busy scouting ahead for signs of bear.

Thick and weedy, the bittersweet stands glowed with cheery color. In no time my arms were full of the scratchy branches. On the way back, after battling with their sharp, biting thorns, I added some multiflora rose clusters to the arrangement materials.

But, you know, we never did see that bear. It was a wonderful walk, though, and a day I'll remember for a long time for the sheer joy of being outside.

Too bad bear season is so short.

F.W.S. Calendar

Thursday, Dec. 1

Lancaster Society 20 meets to sing Christmas carols.

Friday, Dec. 2

Lancaster Society 1 will hold a Christmas party at Luther Acres Dining Hall.

Lancaster Society 17 meets for a Christmas celebration at Mechanic Grove Church of the Brethren.

Saturday, Dec. 3

Lancaster Society 12 meets for a Christmas party at the Lions Building in Millersville.

Lancaster Society 9 meets for a Christmas party.

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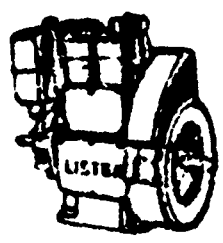

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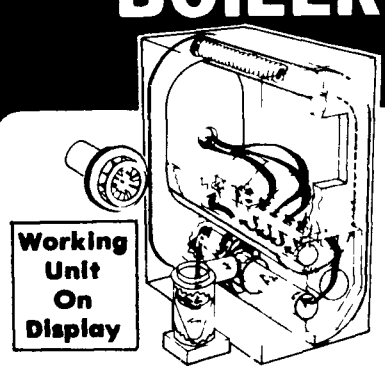

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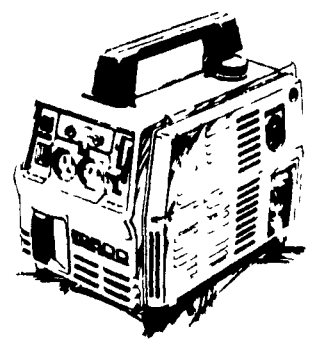

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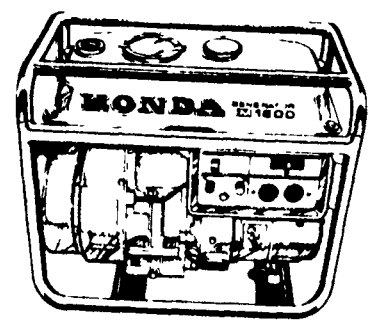

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Farm Women Attend Washington Seminar

BY JANE BRESEE
Staff Correspondent

WASHINGTON, D.C. — Annette Schucker and Jane Bresee, of Bradford County, were among the 140 rural women attending a White House briefing to hear from John R. Block and other top government officials about the status of current issues of importance to the agricultural community.

Mrs. Schucker is a member of the state Agricultural Stabilization and Conservation Service (ASCS) Committee and owns a dairy farm near Troy. Mrs. Bresee, a correspondent for **Lancaster Farming**, and a dairy farm wife, lives near Ulster.

Other farm and ranch women from around the nation were invited to the special meeting held for them in honor of National Farm Women's Month at the New Executive Office Building, Washington, D.C. The meeting was chaired by Mrs. Charles Mosher Wilson, assistant to the Secretary of Agriculture, John Block, and by Mrs. Carolyn Sundseth, associate director of the Office of Public Liaison.

Speakers for the morning briefing were Edward Dale, assistant director for public affairs, Office of Management and Budget; Burleigh Leonard, deputy assistant director for agriculture, Office of Policy Development; and Constantine Menges, special assistant to the President and Senior Director for Latin American Affairs, National Security Council.

After the briefing, the rural women were treated to a tour of the White House, and later had luncheon on the patio of the Department of Agriculture. The luncheon was provided by Deere and Company in recognition of National Farm women's Month.

Secretary John Block appeared briefly and told the women that it is important that they have an interest in government. "Washington is an important place for farmers to monitor," he stated.

Frank Naylor, Under Secretary for Small Community and Rural Development, also was a featured luncheon speaker explaining the importance of FHA loans and REA.

Later in the afternoon, the women met with Ray Lett, executive assistant to the Secretary to discuss farm issues, From 4 until 6 p.m., a Thanksgiving Reception was held at the patio of the Department of Agriculture with guest speaker, Peter Myers.

According to Mrs. Mosher, coordinator, another Farm Women's Forum will be held in Washington next April 11 to 13.

New State 4-H Program Associates Named

STATE COLLEGE — Wendy V. Hamilton and Thomas E. Walker have been named state 4-H program associates at Penn State University. Their appointments become effective in January 1984. Ms. Hamilton will provide leadership for the youth component of the Expanded Foods and Nutrition Education Program, as well as for 4-H foods and clothing projects. Walker will coordinate statewide 4-H youth programs in the areas of livestock, horse and poultry.

A graduate of Oregon State University, Ms. Hamilton earned her bachelor's and master's degrees in clothing and textiles. Prior to joining the Pennsylvania 4-H staff, she worked as an agent in home economics for Oregon's Extension Service. While there, she developed newsletters, project materials and evaluation tools. She also coordinated television interviews, radio news stories and public service announcements. Among Ms. Hamilton's 4-H accomplishments and the initiation of a five-year plan for the Douglas County 4-H program.

Ms. Hamilton is a member of both the National and Oregon State Associations of Extension 4-H Agents and the American Association of University Women.

Walker, currently associate Extension agent in Washington County, received the 1982 State Achievement Award for organizing a Sheep and Wool Field Day for southwestern Pennsylvania sheep producers. The event drew more than 1,500 visitors who participated in educational workshops and viewed demonstrations and exhibits. Walker also has coordinated an equine symposium. Horse owners representing breed associations from New Jersey to Colorado participated in the event.

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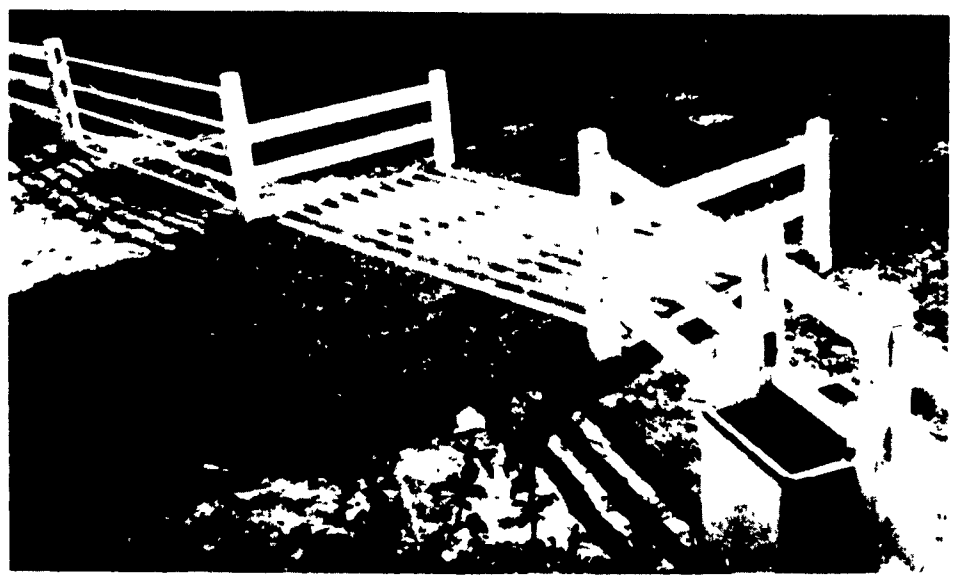

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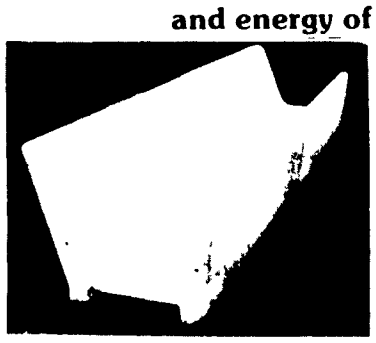
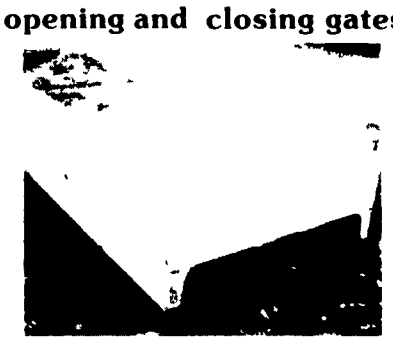


Fenceline Feed Bunk - Smooth surface, rounded corners for less waste



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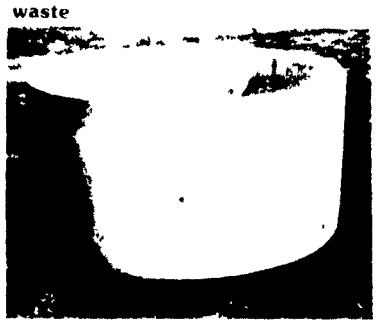

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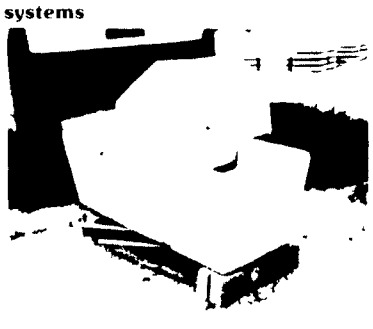

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Cumberland Co. Holds 4-H Round-Ups

CARLISLE — Western Sizzlin Steak House purchased Allyson Sheaffer's Sale Champion Steer for $1.01 a pound at the Cumberland Co. 4-H Beef and Lamb Round-Up and Sale. Allyson is the daughter of Dr. and Mrs. Dale Sheaffer, 50 Evergreen Lane, Carlisle.

Sandy Hopple, 860 Boiling Springs Road, Mechanicsburg, exhibited the Reserve Sale Champion at the 1983 Cumberland County Beef Round-Up. Sandy sold her Reserve Champion to the North Mountain Butcher Shop for 80 cents a pound.

Eddie Wenger, 926 Williams Grove Road, Mechanicsburg, showed the 4-H Sale Champion Lamb at the 1983 Cumberland County Lamb Round-Up. Eddie sold his Champion lamb to E. Richard Eberts - Pine Haven Farm, Newville, for 85 cents a pound. The Reserve Champion Lamb was shown by Vickie Holtry, R.D. 2, Mechanicsburg, and was sold to the North Mountain Butcher Shop, Newville, for 87 cents a pound. The Country Butcher Shop, Plainfield, purchased the Champion Pair of Lambs exhibited by first year member Leah Byers, 150 Byers Road, Carlisle.

Results of the Lamb and beef round-ups follow:

BEEF ROUNDUP RESULTS

The 1983 County Beef Champion was Angie Fought, Carlisle. Allyson Sheaffer, Carlisle, showed the Reserve County Beef Champion. Showmanship winners were: Junior Champion - Stacy Suffel, Carlisle; Intermediate Champion - Allyson Sheaffer, Carlisle; and Senior Champion - Chris Hopple, Mechanicsburg, These members will receive plaques from the Mechanicsburg Chamber of Commerce.

Class results are as follows:

LIGHT WEIGHT STEERS - Donald Sullivan, Irvin Shultz. Jason Kutz; MEDIUM LIGHT WEIGHT STEERS - Jeff Swank, Karen Nailor, Ben Kutz; MEDIUM WEIGHT STEERS - Tim Gordon, Rodney Monn, Charles Freed; MEDIUM HEAVY WEIGHT STEERS - Kim Hopple, Tom Gordon, Karen Fought.

HEAVY WEIGHT STEERS - Angie Fought, Allyson Sheaffer, Mark Wardle; JUNIOR SHOWMANSHIP - Stacy Suffel, Jeff Swank, Charles Freed; INTERMEDIATE SHOWMANSHIP - Allyson Sheaffer, Jason Kutz, Kim Hopple; SENIOR SHOWMANSHIP - Chris Hopple, Karen Fought, Tim Gordon.

LAMB ROUNDUP RESULTS

Winners in the showmanship classes were: Junior Champion - Jessica Wenger, Carlisle; Intermediate Champion - Vickie Holtry, Mechanicsburg; and Senior Champion - Michelle Walker, Newville.

JUNIOR SHOWMANSHIP - Jessica Wenger, Susan Wenger, Leah Byers; INTERMEDIATE SHOWMANSHIP - Vickie Holtry, Robert Day, Ed Wenger; SENIOR SHOWMANSHIP - Michelle Walker, Susan Roeder, and Sharon Hock.

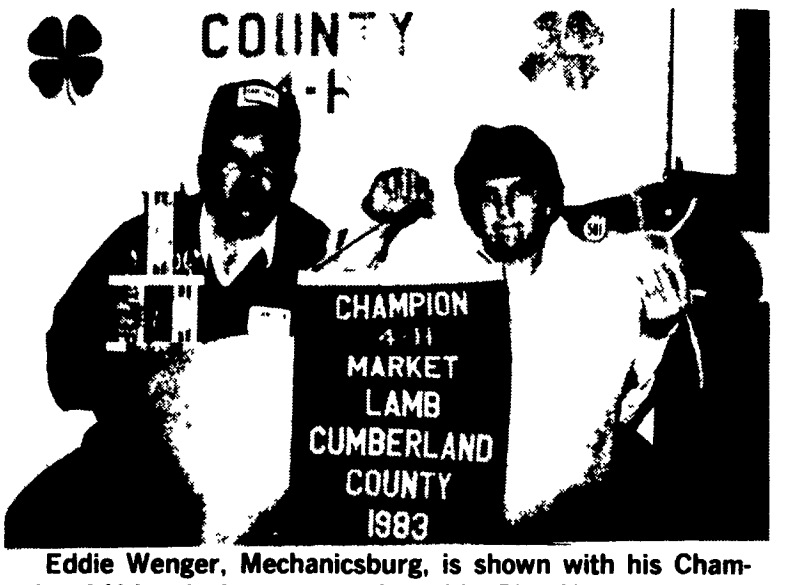
LIGHT WEIGHT MARKET LAMBS - Carol Perry, Angie Fought, Patti Holtry; MEDIUM WEIGHT MARKET LAMBS - Angie Fought, Leah Byers, Sharon Hock; HEAVY WEIGHT MARKET LAMBS - Ed Wenger, Vickie Holtry, Ed Wenger: PAIR OF MARKET LAMBS - Leah Byers, Susan Wenger, Robert Day.

FARM SHOW ENTRIES

The judge for the Roundup was Brenda Walter, Airville. She selected the following 4-H members to represent Cumberland County at the 1984 Pennsylvania State Farm Show.

STEERS - Chris Hopple, Kim Hopple, Angie Fought, Tom Gordon, Karen Fought, Stacy Suffel, Jason Kutz, Charles Freed, Donald Sullivan, David Shultz, Gloria Moose, Wanda Weber, Jeff Swank, Ben Kutz, Rob Anke, Denise Swank, and Jimmy Weber.

LAMBS - Angie Fought, Carol Perry, Rosinda Hock, Patti Holtry, and Diane Myers.



Eddie Wenger, Mechanicsburg, is shown with his Champion 4-H Lamb that was purchased by Pine Haven Farm, E. Richard Eberts, Newville. Mr. Jim DeGaetano, representing the Carlisle Livestock Market, is shown with the trophy that was presented to Eddie at the Cumberland Co. 4-H Beef and Lamb Round-Up.

Western Sizzlin Steak House bought the Grand Champion 4-H Steer from Allyson Sheaffer, 50 Evergreen Lane, Carlisle, at the 4-H Round-Up. Shown with Allyson is (left-right) Dusan Bratic, Owner; Mike Smoluk, General Manager - Mechanicsburg; and Ken Berry, District Manager.

Enter the Apple Recipe Contest

HARRISBURG — Apples, apples and more apples...If you think you have a unique, simple and tasty apple recipe, why not test your culinary talents by entering the Pennsylvania Apple Products Recipe Contest? You can share the recipe with fellow Pennsylvanians and become eligible to win one of several cash prizes.

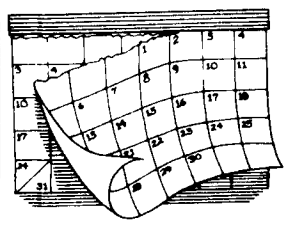
Prizes in the 1984 Pennsylvania Apple Recipe Contest January 31 at the Hershey Convention Center, include a $200 first prize, $150 second prize, $100 third prize, $75 fourth prize and $50 prizes to six runnersup. The contest is sponsored by the Pennsylvania Apple Marketing Board in cooperation with the State Horticultural Association of Pennsylvania.

A Pennsylvania processed apple product must be an ingredient in the recipe. Appearance, taste, economy, appeal and ease of preparation round out the judging criteria.

The contest is open to all Pennsylvania residents. You may enter by sending your name, address, phone number, recipe name and recipe to: Apple Recipe Contest, Pa. Apple Marketing Board, 2301 North Cameron Street, Harrisburg, PA 17110.

All entries submitted must be scratch recipes and should list the name, all ingredients and their quantities, and step-by-step mixing and cooking instructions. Only one entry per contestant is allowed. Entries must be postmarked no later than Dec. 31. Ten finalists selected from submitted entries must appear at the Hershey Convention Center with completed, prepared recipes to be eligible for final judging. Judging will take place in conjunction with the annual meeting of the State Horticultural Association in January. Finalists are reimbursed for round-trip mileage and treated to a complimentary luncheon.

All recipes become the property of the Pennsylvania Apple Marketing Board of publicity and other purposes. Winning entries will be published in an apple recipe booklet.



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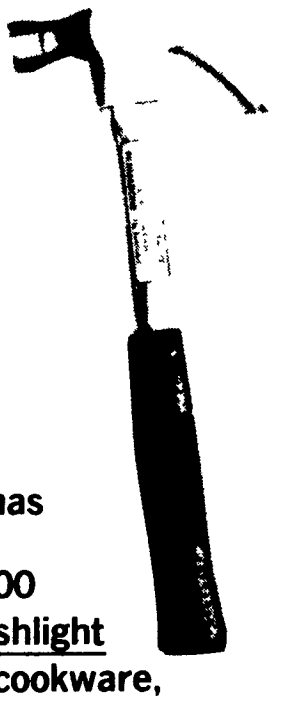

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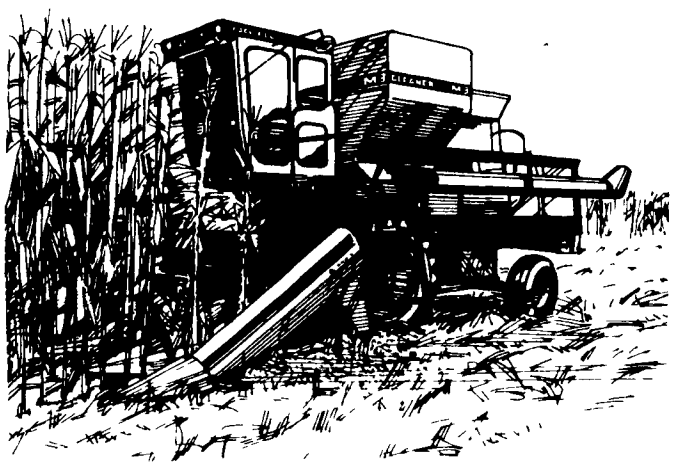

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Wool Contest Scheduled

COLLEGE PARK, Md. — Valuable prizes, plus an expense-paid trip to Phoenix, Ariz., and the chance to compete for college scholarships await top winners in the second annual statewide Make It With Wool contest being coordinated by the University of Maryland's Cooperative Extension Service.

The event is set for Saturday, Jan 7, at the Montgomery County fairground in Gaithersburg. It will run from 1 to 4 p.m. in the dining hall near the main gate. Entry deadline is Dec. 7.

All persons with an interest in sewing wool garments are invited to compete. Entries must have been completed by the contestant since Jan 1, 1983.

Contest garments must be made from loomed, knitted or felted fabric or yarn of not less than 60 percent wool and not more than 40 percent synthetic fiber. The garments may be sewn, hand-knit or crocheted; but they must fit one of the contest categories, as follows:

— Pre-teens (ages 10-13) may enter jumpers, skirts, pants, vests, ponchos, sweaters or shirts.

— Juniors (ages 14-16), senior youth (ages 17-24) and adults (over 24) may enter only dresses, coats or suits (with pants or skirt).

Categories will be determined by each contestant's age on Dec. 31.

Fabric and sewing equipment will be awarded as prizes to the top three contestants in each age category. Other entrants will receive participation prizes.

The two junior and senior youth champions will each be eligible to advance to national competition sponsored by the American Sheep Producers Council, Inc., and the women's auxiliary of the National Wool Growers Association. That event is scheduled Jan. 17-20 at Phoenix, Ariz.

To obtain contest rules and an entry form, contact the 4-H or home economics office of the Cooperative Extension Service in any Maryland county or in Baltimore city.

Completed entry forms must be submitted before Dec. 7 to either of the state contest co-chairman. They are Mrs. JoAnne D. Leatherman, Extension 4-H and youth agent, 520 N. Market St., Frederick, Md. 21701, or Mrs. Madeleine Greene, Extension home economics agent, 600 S. Frederick Ave., Gaithersburg, Md. 20877.

Publicity chairman is Susan K. Morris, Extension 4-H and youth agent in Montgomery county; phone: (301) 948-6096 or 948-6744. Mrs. Morris reports that competition in the statewide Make It With Wool event is open to all U.S. citizens who meet the age and other requirements and abide by contest rules.

Dairy Awards Given in Chester Co.

WEST CHESTER — The 4-H Dairy Awards Banquet of Chester County took place recently, with the menu prepared and served by the West Fallowfield Christian School, Atglen.

The emcee for the evening was Nancy Stoltzfus, and the entertainment was the Pennsylvania Milk Story," produced by the Pa. Dept. of Agriculture and distributed by Dairy Council.

The county 4-H dairy show champions were honored. They are: Ayrshire - Matthew Edwards, grand champion; John Deevy, reserve; Brown Swiss - Howard W. Mark, grand champion; James R. Hawthorne, reserve; Guernsey - George E. Renkert, grand champion; Michael F. Renkert, reserve; Holstein - Duane N. Stoltzfus, grand champion; Dwight C. Stoltzfus, reserve; Jersey - Helen Ann McCahon, grand champion; Anna Uhlman, reserve.

Fitting and showmanship champions were as follows: Jay Hicks, first year fitter champion; Leon E. March, reserve; James R. Hawthorne, first year showmen champion; Lynn L. Huzzard, reserve; Richard Talley, junior showman-fitter champion; Dwight Stoltzfus, reserve; Helen McCahon, champion senior showman-fitter; Carmen Freese, reserve.

Awards for milk production were also given out. The County Herd Production and 4-H Dairy Herdman award went to Glenn Stoltzfus, Morgantown.

4-H Dairy Club Achievement Awards were also given out at the recent Chester County Dairy Awards Banquet. Winners, front row from left are: Jim Hawthorne, Dwight Stoltzfus, Leo Cornell, Lynn Huzzard. Back row from left are: Helen McCahon, Beth Jenkins, Matthew Edwards. Not pictured by Anthony Beiler and Tricia Yeager.

York Co. 4-H'ers Participate in National Meats Judging Contest

YORK — The York County 4-H Meats team, along with coaches Anthony G. Dobrosky, Mike Gentzler and Bill Henning, of Penn State University, flew to Kansas City on Nov. 8 to represent our Keystone State of Pennsylvania in the "National Meats Board Judging Contest." The team members included Jamie Kohr, York; Tim Ferrence, Spring Grove; Krista Rankin, Abbottstown; and Tammy Ferree, New Freedom.

In the pork judging part of the contest, Jamie placed 10th while the team placed 5th with 414 points out of a possible 450. During the retail cuts judging Jamie placed 6th with 138 out of a possible 150 points.

Not only do they judge retail cuts and carcasses, but the youth need to participate in a Meat I.D. Contest. In this division of the contest, the team placed 3rd with 877 points behind Florida with 888 points and Wyoming with 880 points out of a possible 900 points.

In the overall contest without the Meat I.D. scores, Jamie placed 3rd with 413 out of a possible 450 points. When the total overall contest with the Meat I.D. totals included, the Pa. Team saw Jamie placing 4th with 705 points out of a possible 750 points and the team placing 6th with 2036 points, behind Illinois 2099 points, Wyoming 2095 points, Alabama 2056 points, Florida 2044 points and Michigan with 2040 points out of a possible 2250 points.

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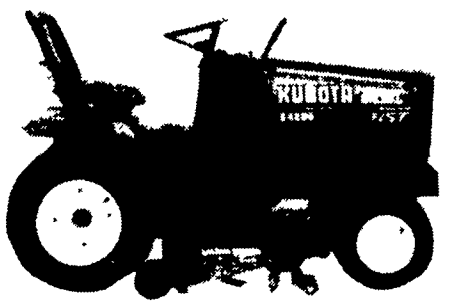

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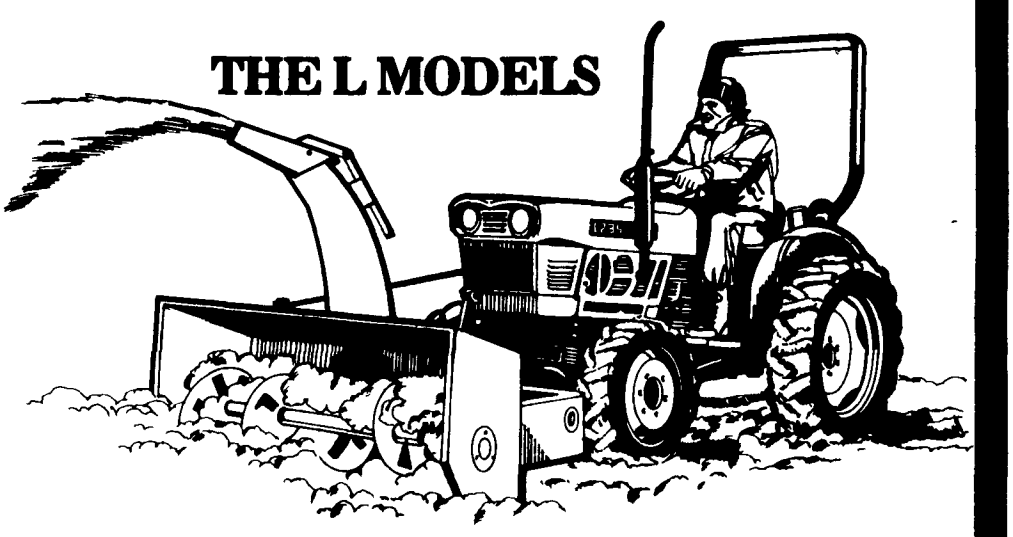
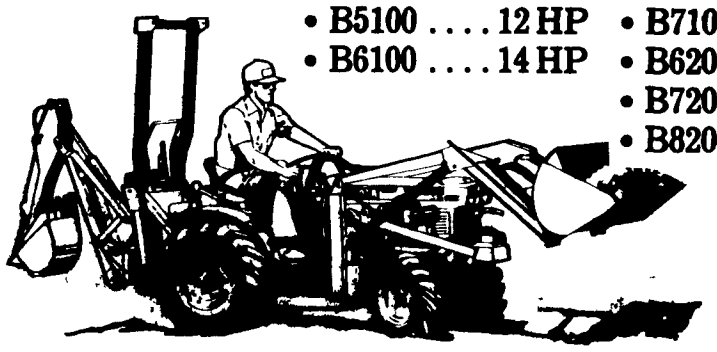


- L235.....23.5 HP
- L275.....27.5 HP
- L305.....30 HP
- L345.....34 HP
- L355 SS.....36 HP

THE B MODELS



- B5100....12 HP
- B6100....14 HP
- B7100....16 HP
- B6200....15 HP
- B7200....17 HP
- B8200....19 HP

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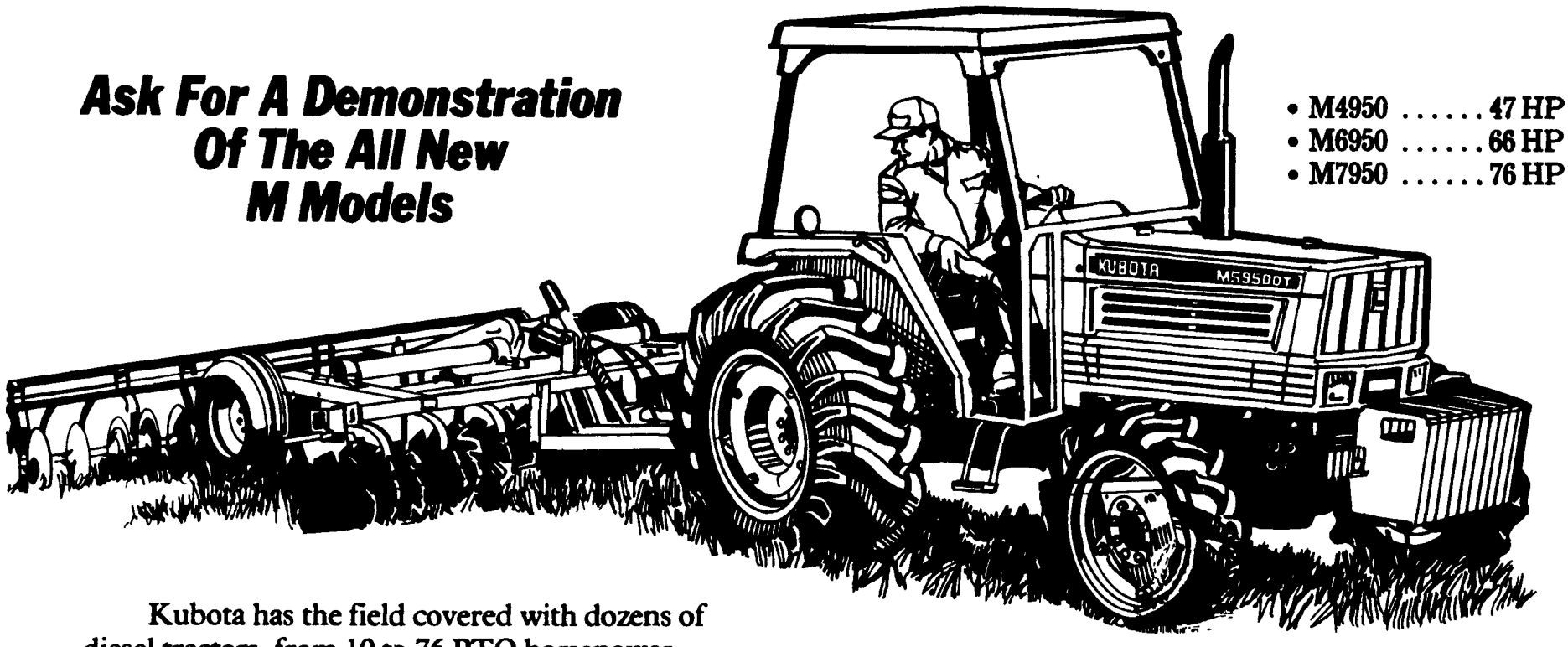

- M4950.....47 HP
- M6950.....66 HP
- M7950.....76 HP

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Ida's Notebook

Ida Risser

Do other farmer's wives have an influx of mice in the fall? Other years I'd catch a few in traps and that would be the end of the problem. However, this year there seems to be no end to the little critters. Oh, they love peanut butter, but they've learned to lick it off without snapping the traps. When you catch two in one trap or when you catch them in the daytime, you do indeed have a problem.

Maybe it is because we don't have cats. That *is* we almost don't have cats. There are three living here now but they turn up their noses and don't even eat mice. One cat is white and wild, while another is too friendly. This particular big black and white cat is unusual in that it has no tail. I'm sure that I don't know why. It just arrived here one day and hid in the cornfield and meowed loudly. Only when someone answered it's meow did it come out to be petted. Now it sneaks into the house whenever it gets a chance. It probably was someone's house pet before it came to our place.

The third animal was found under a summer cottage and given to us as a cute orange and white kitten. It has grown a lot this summer and my husband likes to play with it and tease it.

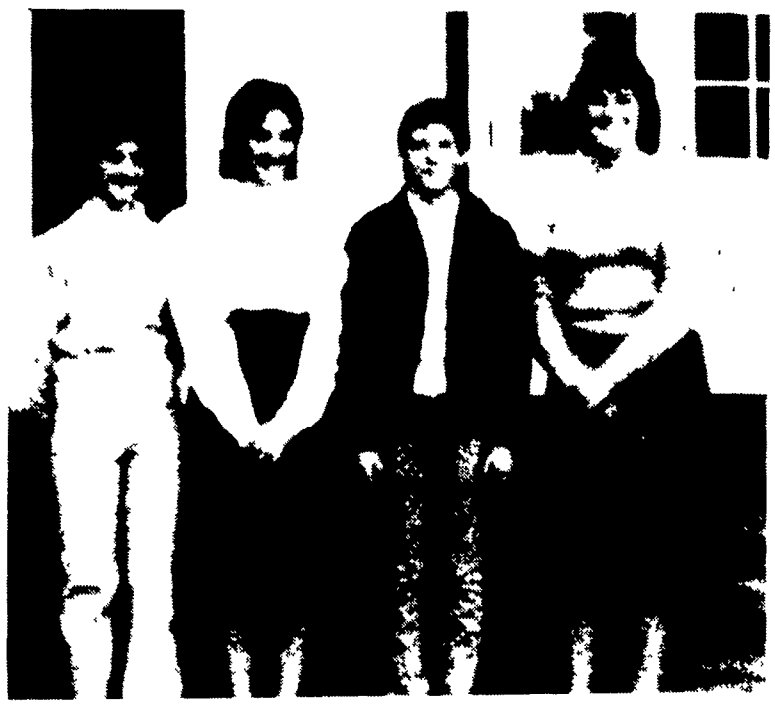
Despite the cats' lack of interest in mice, I'm sure that one of these days I'll be rid of all of the small, grey creatures. Now if they were in the cellar where I store my sweet potatoes, squash, popcorn and bulbs, that I could understand. But they've invaded the utility room, the TV room and a bedroom.

I think that I'd better go and bait some more traps.

4-H'ers attend dairy conference

CHEVY CHASE, Md. — Dairy Project members, Amy McKee, Becky Stewart, Lisa Claypoole and Bonnie Wilson, of Alleghany County, attended the Mid-Atlantic Dairy Conference at the National 4-H Club Center, Chevy Chase, Md.

Several Dairy Cooperatives assisted in off-setting the costs of the Conference which concentrated on the theme "Milk from Farm to Consumer". Delegates from four states attended seminars featuring guest speakers, toured the East Coast Icecream Plant, in Laurel, Md. and the Shenandoah Pride Dairy, in Springfield, Va. and considered possible careers in the dairy industry. Held each year in October, the Conference is geared to older 4-H and FFA members who are interested in a career within some aspect of the dairy industry - marketing, research, administration, genetics, farm operator, etc. Those interested in attending the 1984 Conference should contact their local 4-H Agent or FFA Advisor for further information.



Pennsylvania participants, left to right, in dairy conference include - Amy McKee, Becky Stewart, Lisa Claypoole, Bonnie Wilson; representing Alleghany County.

Vt. Farm Show expands

BARRE CITY, Vt. — A major expansion of the Vermont Farm Show will highlight the 3-day event's 50th Anniversary. Show Manager Everett Willard says "Utilization of the Barre City ice arena for exhibit space triples our display area, and we are now able to accomodate equipment companies which have been waiting up to ten years to become part of the show. Lack of space has been a handicap for many years, and use of the additional space will allow us to display more and larger equipment and thus to be an even greater attraction to Northeast farmers."

The 3-day show scheduled for Jan. 24, 25, and 26, 1984 will be comprised of a 3 prong program: One of the largest equipment displays in the Northeast; a farm product contest to identify and reward exhibitors of top-quality products; and a series of commodity group meetings featuring outstanding educational programs including nationally known speakers.

The Vermont Farm Show has been the winter highlight for area agriculturalists for 50 years and the 1984 expansion is generating new enthusiasm which is expected to bring record crowds to the anniversary event.

Barre City officials, the local Chamber of Commerce, the Vermont Department of Agriculture, and the many Vermont Agricultural Organizations are jointly gearing up to provide accomodations, services, and hospitality for the thousands of people expected to attend this year's show.

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The Dairy Business

By Newton Bair

New ideas and new technology only build upon the foundation of wisdom and knowledge tried and tested by the 'old timers'. New ideas seldom stand alone, without some previous solid foundation, developed by trial and error, and a great deal of insight and wisdom. Lets' look at a few examples.

How 'Old Timers' Did It

The tremendous strides in the development of high producing Dairy cattle of the past decade were possible only because of these events:

1. **Domestication of animals.** This began in the dim and distant past and in many places. In an unknown valley in Eastern Europe, some decendant in Adam developed a liking for meat. Tired of hunting and tracking the wild beast, he built enclosures and herded them in for easy access when needed. Some animals were not easy to hold, or wouldn't breed in captivity, so he settled on the more doscile beasts, like goats and sheep, and eventually cattle. Now that he has a captive supply of animals, he soon developed a use for the other products they could supply — milk, fur, hid and bone.

2. **Selection for desirable traits.** Evidence of breeding sclection can be found in very early literature. Among the earliest and most fascinating is the account of how Jacob out-foxed his father-in-law Laban, in Genesis 30:32-43. The bargain was that Jacob should be paid for his labors with the speckled and spotted cattle and goats, while Laban would retain the brown ones. While the methods he used are a little far fetched, it is very plain that Jacob was an expert at selecting and breeding for the colors he wanted. "And the man increased exceedingly, and had much cattle". He of course selected and bred for the colors and markings that were to his advantage, and speckled and spotted ones.

3. **Constant feed supplies.** Early man, including Jacob, were nomads. They moved their flocks wherever the grazing was good. Good grazing lands became the prime objective of competing tribes, and a leading cause of war between them. The planting and cultivation and improvement of grazing land for cattle came much later in history, after the nomadic tribes settled down in one spot and learned to select and nurture plants for food and forage. This was a tremendous milestone for the human race, for this was the very beginning of agriculture.

4. **Recognition of heritable traits.** Some of the characteristics or traits that we like in our cattle are much harder to develop by breeding, and take much longer to improve. It took many centuries of selection, in many different parts of Europe and Asia, to find and improve the milk producing ability of cattle. It is still pretty much of a mystery to present day breeders to try to understand ALL of the many traits that contribute to high milk production. But the science of genetics, building on Mendels laws and a vast pool of experience, has enabled us to sift out those that are highly heritable from those that have very low heritability.

5. **Production Testing.** Actual production records only began in the early part of this century. The invention of the Babcock butterfat tester was the first breakthrough, leading to the formation of Cow testing Associations, and later to the formation of D.H.I.A. as we know it today. Everything before this was guesswork, and genetic selection was erratic and slow.

6. **Artificial Insemination.** Obviously, this discovery and its easy availability to all breeders through A.I. Co-ops had an immense impact on improving Dairy production. For the first time, bulls known to sire high producing offspring were available to everyone.

7. **Genetic Base Screening.** The development of Genetic Base formulae by U.S.D.A. Scientists has at last brought together the vast pool of information now available on every Sire and Dam that is or has been on test. This would not be possible without the aid of large computers to store and evaluate the information.

Only since 1974, when the formulae for evaluating and comparing sires and dams were put into intensive use, have we seen such fast improvement in both type and production. The great bulls of the Sixties would be ordinary today.

And the 1974 genetic base is already obsolete, and will be replaced with a new and better one next year. Thanks to Genetic science, building on the wisdom and foresight of the old timers', we can have a barn full of cattle that Grandpa could only dream about.

Cattle feeder meeting set

TERRE HILL — The Eastern Lancaster County Adult Farmer Program will conduct a meeting for cattle feeders on Tuesday December 6, at 7:30 p.m., at the Union Grove School. J. Paul Espy, cattle feeder from Huntingdon County, and president of the Pennsylvania Beef Council, will be the featured speaker sharing his ideas on purchasing, fattening, and marketing cattle.

Espy was named Cattleman of the Year for 1983. He started his operation in 1972 and now fattens 1000 head per year with all his own feed from 650 acres. His cattle average 2.75 lbs./day gain and his unique record system enables him to know what kind of cattle to purchase.

All interested persons are welcome. The Union Grove School is located near Terre Hill on route 625, 2 miles north of route 23. For information contact Donald Robinson at 445-5041.

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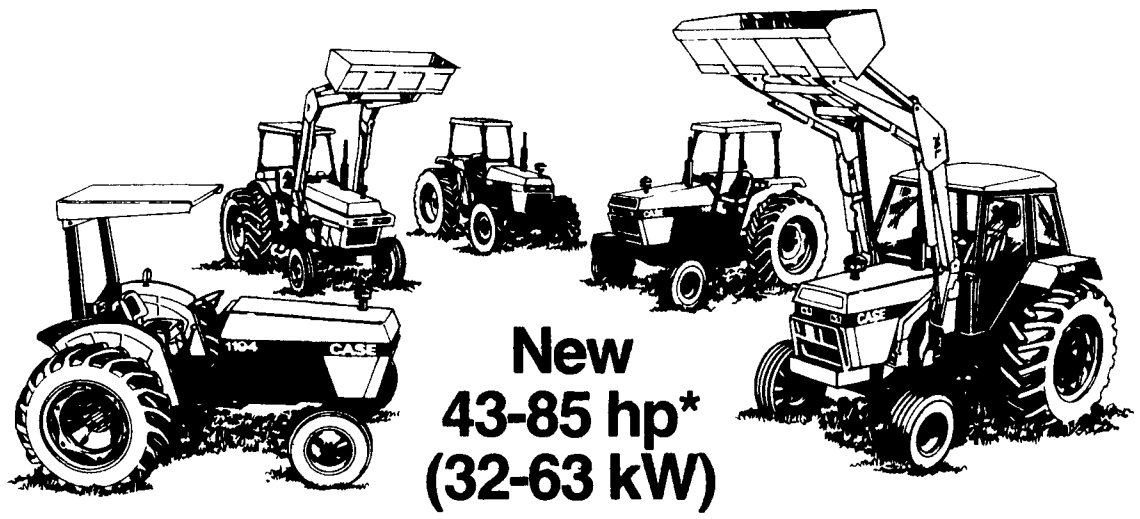

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Farm inspection can help prevent fires

NEWARK, Del. — Fire serves us in many ways, but we must always respect its potential to destroy. Whenever we relax our viligance — by smoking in bed, letting electrical wiring deteriorate, failing to maintain a heating system, or handling flammables carelessly — we court disaster, says University of Delawarae extension safety specialist Ronald C. Jester.

Fires in the U.S. take a tremendous toll. Property losses amount to $6.7 billion each year, and about 6,700 lives are lost. Farm fires cost over $300 million annually and account for scores of fatalities and injuries.

According to the National Fire Protection Association, the most frequent causes of building fires are: electrical, careless smoking, heating and cooking equipment, children and matches, open flames and sparks, flammable liquids, arson, chimneys and flues, lightning and spontaneous ignition.

To prevent fires, Jester recommends inspecting your home or farm with the following safety tips in mind:

* Don't overload circuits. Dimmed lights, reduced output from heaters, or a poor TV picture are symptoms.

* If a fuse blows or circuit breaker trips repeatedly with normal use, check for shorts and other defects.

* Never overfuse a circuit. Keep plenty of fuses of the correct size near the fuse box. Install tamper-resistant fuses to prevent accidental or intentional overfusing.

* Use extension cords heavy enough for the required wattage. Use grounded extensions for three-prong equipment.

* Before each use, note condition of cords on power tools, sweepers, heaters, and other devices which are moved about and/or frequently plugged and unplugged.

* Keep area around motors and heaters free of flammable or combustible materials. Provide plenty of ventilation for motors, and keep them clean.

* Protect light bulbs with wire guards if there is danger of breakage. Cover bulbs near combustibles with globes to block heat.

* Don't smoke near combustibles, or when refueling or handlign flammable or explosive materials.

* Don't accumulate papers, rags or trash around stoves, furnaces or gas water heaters.

* Above-ground gasoline storage tanks should be 40 feet or more from buildings. Tanks near burning buildings can explode and spread fire. Underground tanks, pumps, and vents should be outside.

* Store small quantities of gasoline and other flammable fuels in "approved" red metal containers that are sturdy and clearly marked. They should have spring-closing lids and/or spout covers. NEver use breakable containers.

* Don't use gasoline, benzene, naptha, or other flammable fuels as cleaning or degreasing agents. Other products work as well with far less hazard.

* Refuel farm equipment with care. No smoking ever!

* Watch for and repair leaks in fuel lines, carburetors, pumps and filters.

* Burn trash well away from buildings. Carefully manage fires when burning off land. Don't burn on windy days.

Jester says it's important to be prepared for a fire. Equip your home, buildings and vehicles with fire extinguishers. Have a good water supply such as a farm pond. A fire detection and alarm system is a worthwhile investment. Devise and practice a home fire escape plan. Instruct all family members and employees on what to do and how to call for help in case of fire.

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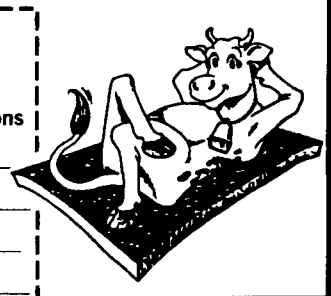

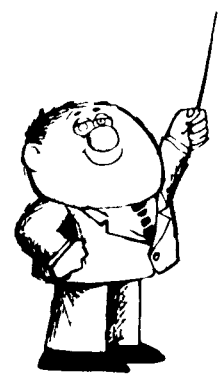

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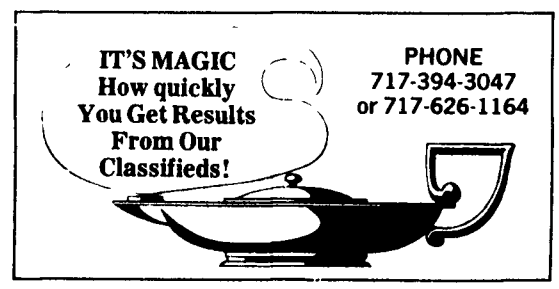

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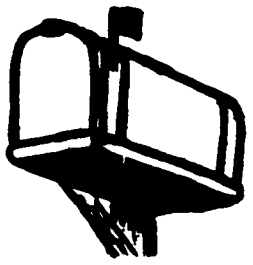

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For Sale - JD A tractor, w/#227 corn picker Tractor in very good condition, $750 00 or best offer Berks 215-944-7333

Wanted Large Bucket-A-Day Water Heater size 350A MM Tractor U or UB Emery Mast R#5 Box 702-A Dover, Del 19901

For Sale - One Reg female walker 8 yrs old Guaranteed broke $550 00, 302-697-2807 before 7 a m or after 5 30 p m

For Sale - Lincoln welder 300 Amp DC V4 Wisconsin engine trailer mounted needs work $300 Somerset Co , N J 201-776-3784

For Sale - 36" Buffalo Knife Grinder, $275 00 Hermance 6" Sticker, 3 Phase, $1500 00 Wanted - Model 51 JD mower, Huntingdon, 814-627-1277

For Sale - 7 large holstein heifers springing nicely Dec Jan, Feb Domestic Strait stitch in cabinet, attachments Lanc Co , 717-354-5974

Wanted - House shutters 63" long solid, wooden storm windows 29"x67", JD AW 10' disk 215-285-6313 Berks Co.

For Sale - 47-Bu Silage Cart. Gas Hydrostatic, discharges either side A-1 condition, will sacrifice! Jefferson Co , 814-427-2394 eves

For Sale - Eskimo puppies $15 00 each Henry Yoder Quaker Church Rd , Christiana RD1, Pa 17509. Near Nine Points, Along 896

For Sale - NH 518 single beater, Manure spreader, Extra heavy web chain, good cond Ivan Eberly, R#1 Narvon, Pa. 17555

For Sale - Good quality Corn Silage $25 00 a ton, Can haul for additional cost 717-764-0494, York Co

Wanted - Steel manure spreader wheels, and an old type hay kicker, Benjamin F Lapp, R#2, Box 143, Quarryville, Pa. 17566.

For Sale - Minnich Tobacco Bale Box; Fairbanks Platform scales, Lanc Co 717-626-5751

Wanted - Front wheels for Massy Harris 44 steel or rubber Jacob S Beiler, North New Holland Road, Gordonville, Pa 17529

For Sale - Pygmy goats - buck and doe - 2 mo. old; young wether; $50-$75, Jumping saddle, 17", $150; Lanc Co , 717-627-2864

MAILBOX MARKET

For Sale - 130,000 BTU Delco oil-fired hot water furnace, finned pipe, 1000-gal fuel tank 215-267-2783 Lanc Co

For Sale - Very good condition Hydro Fireplace grate 16 tubes $125.00 54" Blade for S States tractor, Balto Co , 301-357-4320

For Sale - D-17 Allis-Chalmers w/3 btm. plow gas, narrow front, recently overhauled Looks, runs great $2700 717-392-4601 eves. Lanc Co

For Sale - Maytag wringer washer, $45, Mans' nylon coat-fleece lined, X-lge, $25 red (new), 717-684-5437, Lanc. Co

For Sale - IH McCormick Farmall Cub Tractor hydraulic with mower, plow, disc & cultivators Del Co , Pa 215-494-1959

For Sale - Percheron Horses 7 mos Filly from Chelsea Bob 2½ yr mare - Labell's Duke, 1/5 wheel wagon, 814-466-7034

For Sale - Commercial Rabbitry including cages and automatic watering system, also Chinese geese for sale Queen Annes Co , 301-438-3667

Wanted To Buy A Two Row Potatoe Harvesting with PTO Drive 301-374-2638

For Sale - Single Row NI 323 Corn Picker, Gravity Bin Wagon, Oliver Tractor Drill, Blower for Sawdust etc , w/pipe, 717-345-8815

For Sale NI manure spreader ground drive $585, NH 3 pt 450 mower $875, NH 56 rake A-1 $1075, 717-354-0266

For Sale - 7 ft snow plow for 4x4 pickup with electric hydraulic lift $425 00 Lanc Co , 717-733-8528

For Sale - Purebred Border Collie Pups, $25 00 Lanc Co , 717-665-7284

For Sale Overhead Garage door 10' wide x12' high $125 00, Don Leiser Bethlehem, Pa North Co

For Sale - Australian shepherd puppies for Christmas Registered, excellent quality 717-653-8054 or 717-285-3208

For Sale - JD Model 93 Backhoe Attachment Fits JD Track or Rubber Tire Machine $2500 Lehigh Co , 215-965-9719.

For Sale - Yorkshire service boars sound and aggressive open gilts breeding age Will deliver, Red Run Farm, East Berlin, 717-292-4634

Wanted - Used roofing - 6 or 12' lengths of Aluminum or galvanized roofing Call 717-627-0979 after 7 p m

Notice - Large Barn & pastures for rent. Delta, Pa area Harford Co , Md 301-838-5985 after 6.00 p m

For Sale - Utility body for pickup truck 8' foot bed late model Morsyville 250 00 215-845-2443 eve 215-845-3690 day, Berks Co

For Sale - Rearend and transmission for older type J D "B" $100 00 cash '32 Chevy cut-down tractor 717-938-6322 York Co

For Sale - 1970 GMC Truck V6 engine 14' Dump bed 21,000 GVW Cambria Co , 814-948-8572

For Sale - Widespread beater for JD 34 spreader, 9 in drum type, like new, $150 00 717-694-3095 Juniata Co

For Sale - 1957 Chev Bel Air Exc condition 1949 Buick 27,000 miles exc condition, 814-632-5781 Huntingdon Co eves

Notice - Free to good home AKC Shelty, spayed, excellent watchdog, house/leash broken or good outside. 5 yrs. Berks 215-987-6902.

MAILBOX MARKET

For Sale - 2 Riteway wood burning stoves with cabinet $200 and $100 or good offer - 717-637-4887, Hanover Pa

Wanted - Massey Harris Tractor Model Poney 20 Running or not Ray Bernosky RD2 Box 52 Ashland, Pa 17921

For Sale - 50 Hi-Grade Hol cows, heifers and milking equipment For Rent - Stall barn w/silo, 717-837-0765 or 922-1752, Snyder Co.

For Sale - Rebuilt 4-53 GM Diesel Power Unit. Will also fit 818-1880 New Holland Harvester Richland Co 419-896-2321

For Sale - 1 pair garden tractor puller tires size 12.5x15 mounted on 13x15 wheels pulled only twice Lanc Co 717-733-8710.

For Sale - Saddlebred carriage horse safe & sound 8 yrs old Eli Byler RD1 White Oak Rd Paradise, Pa 17562

Notice - Would like to find someone interested in renting me 20-40 Jersey or Holstein Cows with option to buy 703-825-2652

Wanted - 10 ft spring tooth harrow Orange Co N Y 914-651-7046 eves

For Sale - Westing house refrigerator suitable for cabin or hunting camp $20 00 works good Lanc Co 717-354-5658

For Sale - Corn stalk shredder, 2/row, good condition, $300 00 Rotary street broom, fits Ford NAA tractor, $400 00 Luzerne Co 717-675-1276

Wanted - Old Jeep for Parts, Approximately 1949 to 1953, any condition acceptable Needed to restore another jeep 215-692-4679, Chester Co

For Sale - Peafowl 1982 Hatch Whites only $35 00 each Balitmore Co , Maryland, Chris Anderson 2710 Beckleysville Rd, Millers, MD 21107

For Sale - Ben Franklin Wood Stove, Best Offer! R L Lounsberry 19 Jacksonville Rd Columbus, N J 08022 Burlington Co , 609-267-6154

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For Sale - 71 Int. 1600 Load Star truck 26,000 GVW. 16' grain body; 30 Suffolk & Dorset ewes Schuylkill Co 717-386-4743

For Sale - 4 registered heifers, 1 freshened 11/12/83 $950 00. 3 due beginning of January. Bucks Co , Day 215-766-8776 eves 215-348-2249

For Sale - Cummings 220 engine and road ranger complete Run's good $1500 00 (will split) Berks Co., Newsmithville, 215-683-5242.

For Sale - Ashley wood stove - 25 HF - perfect condition - $100 Hunterdon Co , 201-832-5169

For Sale - Registered and unregistered pygmy goats. Bucks and does One bred doe $75-$250 Lebanon Co , 717-865-5080

Wanted - Feed Barley Union Co , Call after 5 p m 717-524-2738

For Sale - 4 Bou-matic Little Champ automatic detachers Used very little $140 00 each Franklin Co , 717-263-1837

For Sale - 4 wheel drive Hesston 4800T tractor w/loader, diesel, like new only 500 hrs. $15,000, 215-593-5457 or 6516.

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For Sale - Used Aluminum Roofing Good shape 16' & 18' long - 7 Shenendoah Gas Brooders - good condition - 717-665-3786, Manheim

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For Sale Border Collie puppies 6 wks good cow or sheep dogs $25 each Cecil Co , MD 301-398-2751

For Sale - 350 IH high Utility tractor WFE w/fast hitch equipment, Sickle Bar mower, 2-bottom plow, Berks Co , 717-933 4027 eves

For Sale - English and Western Riding Clothes boots, hats, blouses, coats, chaps Call for sizes & prices Perry Co , 717-582-8343

For Sale - Portable Lincoln Welder, 200 Amp 4 cyl , hand crank, engine needs rebuilt Lanc Co , 717-548-2291

For Sale - 2 horsepower air compressor 20 gal tank $300 00 8' closed cattle rack for chev pickup Lanc Co 717-733-2480

For Sale New Woolrich outfit Cap coat size 40, and pants size 36 $40 Lanc Co , 717-898-7066

For Sale 225 amp Lincoln welder good cond , $100 00 Also Pressure system very good cond , $125 00 215-445-6976

For Sale - 10' IH 350 disk w/without sprayer JD 45 SB Combine, 12' head, cab, strdw chopper A C Co , 301-721-1834.

For Sale - Reg Holstein bull son of Simpsons Burkgov Snowman Breeding age Franklin Co , 717-349-7207

For Sale - 10 ton new ear corn 120 00 ton Strew 1 50 bale Montgomery Co , 215-367-9051

Wanted - (1½ or 2 hp) Compressor, 10 or 12 can cooler, Amos S Mast R1, Box 224 Hartly, Del 19953

For Sale - Cattle - Six large Holstein heifers ready to calve. Will trade on open heifers 215-593-5665, Chester Co

For Sale - Alfalfa Hay by the bale at the barn, also large round bales of Alfalfa Hay Bucks Co , 215-346-7476

For Sale - 2 ton 5/8" plywood Feed Box, with partition and lids Bucks Co , $50 00 Phone 215-679-2349.

For Sale - Hydraulic Tail-Gate for standard size pick-up truck Complete kit for easy bolt-on installation New $500 Northampton Co , 215-767-9039

Wanted - Hand operated meat grinder with various size blades and sausage stuffing funnel Bucks Cty 215-822-1639

Wanted - Corn Husker Shredder send price and cond. to John A Mast R1 Box 58A Wyoming, Del 19934

For Sale - Purebred Registered Brown Swiss - 2 young cows both bred 1 bred heifer, 1 young heifer Warren Co , 201-859-0072

Wanted - 560 or 460 Farmall Tractor, Motor not important. 717-624-4262, Adams Co

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For Sale - Cordwood Saw, V G condition, 3 PT w/PTO pulley and belt for Ford, 30" blade Cumb Co N J 609-825-4603

For Sale - Delaware Farm-200 acres, 110 tillable long road frontage, stream $1,200 acre 302-378-2116 Betty, 302-378-8522 Rose

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For Sale - NH 352 grinder mixer $2000 00, American Saddlebred horse carriage or buggy horse $1000 00 717-354-7922

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Wanted - Moldboard Plow, JD or IH, Reset, adequate for 150 HP 4-WD Somerset Co 814-629-9625 after 8 00 p m

For Sale - Used, John Bean pressure sprayers, 500 gal, 200 gal , Trailer mounted, PTO driven, Cecil Co , 301-287-5277 or 215-431 3183

For Sale - 5 used, 4' high wire enclosures, for outside calf hutches $14 00 each 717-656-8958 Lanc Co

For Sale - White 5400 4 RN No-Till Corn Planter w/monitors dry fert $2400 14' JD Wheel harrow $650 York Co , 717-292-4416

For Sale - 12 Volt motor and air compressor for sputnik Emanuel King 90 S New Holland Rd Gordonville, Pa 17529

For Sale - 5 yr old Saddlebred carriage horse Lanc Co 215-445-4354

For Sale - Hartman T/B 2 horse 2 ton trailer, needs some work, S/E Mongt Co 215-947-2865

For Sale - 4 registered Holstein heifers Due Dec. thru Feb Reuben S Allgyer RD#2 Parkesburg, Pa 19365 Chester Co

Wanted - Old quilts, rag carpet, hooked rugs, old painted dry sinks, plank chairs, chests, banjos, guitars, mandolins Lanc Co 717-626-7854

For Sale - Kenmore 30" Electric stove Clean, $50 00 portable curtis Air compressor w/6 HP Gas engine $175 00 Sch Co 717-754-7198

For Sale - 3 Delaval milkers - like new, 1 Sputnick, Good con 1 525 Gal. Esco tank Berks Co , 215-285-6525

For Sale - Complete line of horse drawn farm equipment good cond Must be moved by Dec 1, 304-628-3697, Ritchie Co

For Sale - 126,000 BTU Wood-Oil combination Hot water boiler Only Used 2 winters. $1,00.00/best offer 717-354-4885, Lanc Co

For Sale - Reg. Jersey Bull Sire· Merrymaker Sr Champion All-American Cumberland Co , 717-423-5276

For Sale - young does - Am Nubian, Nubian, Toggenburg-¾ Nubian bred to Longman Excellant pedigrees, priced to sell Perry Co , 717-567-3554

For Sale - AKC Registered Golden Retriever puppies, born 9/24/83, shots and wormed Lebanon Co , 717-865-2589 Excellent child's pet

For Sale - Rebuilt 42 hp Ford power unit, w/clutch, best offer over $800 00. Ken Sensenig Box 197 RD#3 Selinsgrove, Pa 17870

MAILBOX MARKET

Notice Will overhaul Farm machinery also welding done 717-354-8598, Lanc Co

For Sale - 16' Duralite truck body w/roll-up back door $1,000 00 Carolina Co , Rt 1, Box 45, Henderson, MD 2164 301-482-8969

For Sale - INDIANA PEAFOWL (Peacocks) - All colors & ages. Blue, Blk Sh , Pied, White, etc Stamp please Newark, Del 302-994-0508

Wanted - Small irrigation system 2" pipe and 2x3 or 3x4 pump No Sunday calls please 301-475-2358

For Sale - Homemade stock trailer dual axles 51"x10" inside Hydraulic dump bed, fits inside 8' pickup bed Berks Co , 717-933-5307

For Sale - JD 4000 excellent condition, make offer, Wanted - windshield for 2-post roll-guard, Franklin Co 717-597-7295

For Sale - AKC Dachshund pups Blk & Tan males 125 00 Shots & wormed 717-838-4875 or 533-6646, Lebanon Co

For Sale - Ruff But Tuff - 1974 Chevy ¾T-4 WD Pick-Up-Engine recently overhauled $1800 00 or best offer Berks Co , 215-944-7325

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"Birds of Pennsylvania" features 201 pen-and-ink drawings of the most common birds in the Commonwealth plus facts about 381 species. A monthly description of Pennsylvania birdlife tells what may be seen throughout the year. This guidebook is a black and white manual and the current volume was issued in 1979.

"Birds of Pennsylvania" is available for $2.25, tax and shipping costs included, from Birds, Department 6000, University Park, PA 16802. On the campus, copies are available in room 204 of the Agricultural Administration Building at the corner of Shortlidge and Curtin Roads. Make checks or money orders payable to The Pennsylvania State University.

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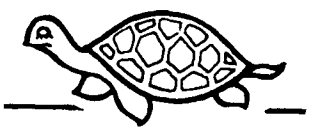

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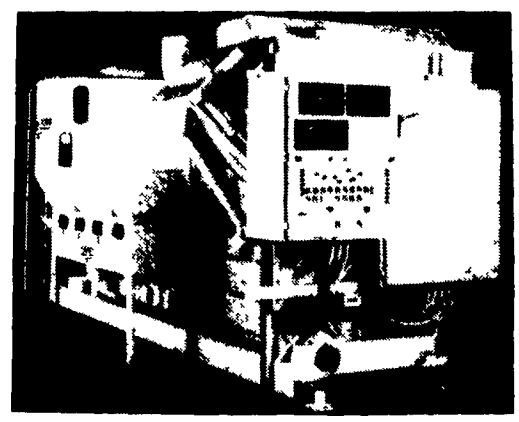

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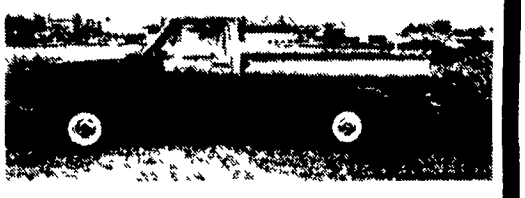

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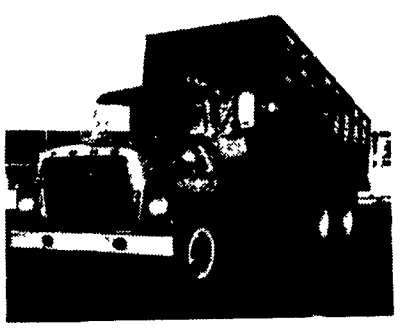

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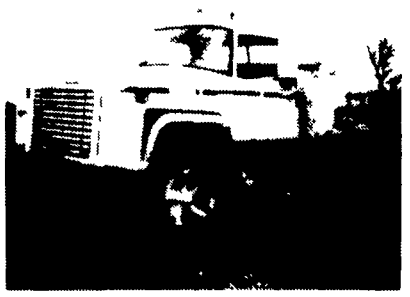

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Western Chester County, Old stucco/stone farm house, barn and shed on 78 acres, actively farmed at present, has meadow with springs and block of woodland. Additional acreage available, $2,550 per acre. Amish, please take note - other amish farmers in area. Neighborhood Realty Jordan, Inc. Call 215-269-8000 or 215-857-3762.

Lancaster County, Kirkwood, 47 acres, no buildings, over 40 acres tillable, $2,500 per acre, Owner financing. Hayes Oxford 215-932-3092, evenings call Tony 215-593-5628.

130 acre dairy farm for sale, Schaefferstown, Lebanon County, PA. 70 cow tie stall barn, 800 gal. bulk tank, 2 silos, 19th century stone farmhouse, 20 year owner financing at 10% interest to qualified buyers. Call Lee Reddinger, 1-717-949-2243. Suburban Realty, 717-273-9358.

Oxford Area, 54 acres, no buildings over 3000 feet road frontage, $3,000. per acre. Hayes Oxford 215-932-3092, evenings call Tony 215-593-5628.

Woodland get-away adjoins Penn State University Forest, Huntingdon County, public road, electricity, hunting, 4 acres, $6900. Rudolph Realty 814-234-4846.

Dairy Farm, 46 tie stalls, 45 acres, two concrete stave silos 10 x 40 and 14 x 60; 750 gallon tank; near Compass, Chester County; $295,500. Hayes Oxford 215-932-3092, evenings call Jack 717-354-9534.

For sale or rent - 200 acre dairy, poultry farm, 25 miles from Harrisonburg, VA. Excellent dairy set-up. 2 fine dwellings. 703-896-7684.

Horse Farm, Oxford area, Chester County, brick Williamsburg, completely renovated, 4 stall horse bank barn, $269,000. Hayes Oxford 215-932-3092, evenings call Jack 717-354-9534.

Under $2000. per acre, 118 acres near Compass. 73 acres wooded, 45 cleared, log and stone home. Hayes Oxford 215-932-3092 evenings call Jack 717-354-9534.

Wildlife Haven, Lancaster County, 19 acres, stone rancher, horse barn, 11 stocked spring fed ponds, wooded, secluded. Call for appointment. Hayes Oxford 215-932-3092; evenings call Jack 717-354-9534.

For Sale by owner: Minifarm, 49½ acres, ⅔ in grass, 1500 ft. frontage, convenient, beautiful location, S. of Lynchburg, Va., County, $75,000. Terms. 804-283-4752 after 6 PM.

For Sale - 67 acre farm, Berks Co., PA, 60 acres tillable, large house, barn, sheds, ½ acre pond, partial financing, private, 215-693-5624.

Farm for sale by owner - 140 tillable acres, 40 acres wooded, good flat Klinesville soil, lots of frontage on hard road, Columbia Co., write to Lancaster Farming, PO Box 366-D94, Lititz, PA 17543.

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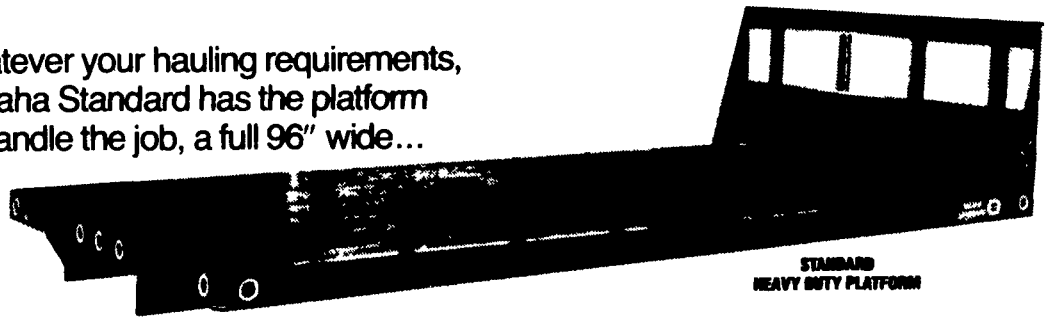
Performance Proven Platforms

whatever your hauling requirements, Omaha Standard has the platform to handle the job, a full 96" wide...



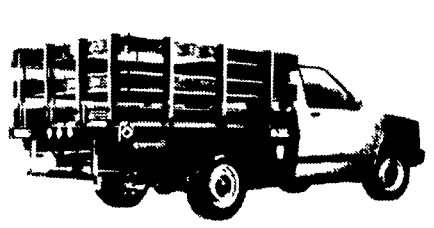
STANDARD HEAVY DUTY PLATFORM

STANDARD heavy duty platforms The platform that sets the standard for the industry For bodies 9 6 and longer a full 96 wide Designed for grain and livestock bodies contractor bodies and heavy duty stake bodies Wood smooth steel treadplate steel or steel over wood flooring

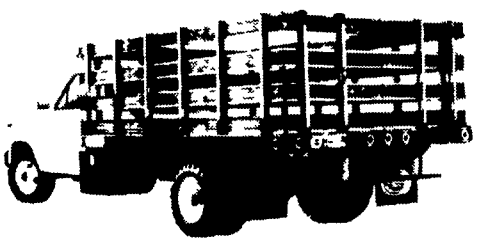
METRO medium duty platforms A rugged yet economical platform Maximum legal width of 96 for bodies 9 6 and longer Ideal for city delivery operations nurseries electricians and other trades Floor options include wood smooth steel or treadplate steel

SUPER DUTY platforms The *extra tough* platform Structural steel construction throughout Heavy banding rail Designed for lumberyards contractors utilities railroads oil field operations fork lift applications and others Available with wood smooth steel treadplate steel or steel over wood flooring All lengths are 96 wide

COMPAK platforms For economy size pickups — Ford Ranger Chevy S 10 GMC S 15 Toyota Datsun Available in platform lengths of 7 or 7 6 and widths of 72 or 78 Wood or smooth steel floors



COMPAK PLATFORM WITH STAKE RACKS, TOOL BOX AND STEP BUMPER



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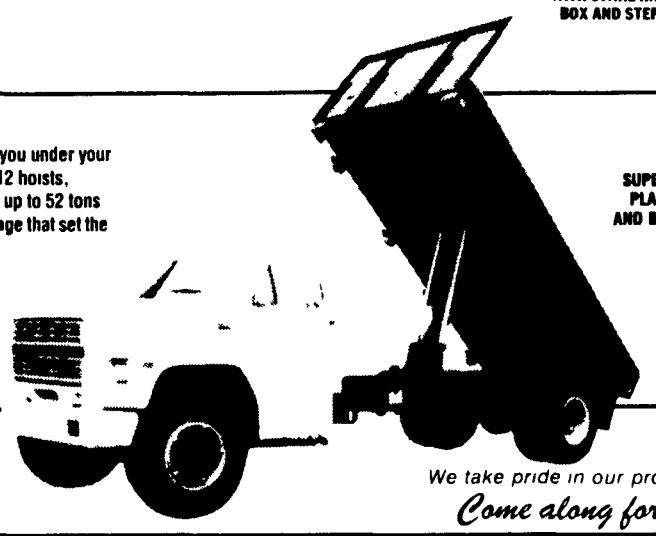
Put an Omaha Standard Hoist to work for you under your Omaha Standard Platform Choose from 12 hoists, scissors or Olympic telescopic, to handle up to 52 tons You'll have the performance-proven package that set the standard of the industry.



SUPER DUTY PLATFORM AND BULKHEAD

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We take pride in our products
Come along for the Pride

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RD 4, East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271
Hours: Mon.-Fri. 7:30 A.M. to 5:00 P.M.; Sat. 7:30 A.M. to 3:00 P.M.

OMAHA STANDARD

OMAHA STANDARD

REAL ESTATE

Log cabin located in the mountains of Central Pennsylvania, excellent hunting and fishing available, located 3 miles northwest of Belleville, off Rt. 305 near Greenwood State Park. Two parcels of land included. One tract being of the dimensions of 75' x 101'. The other being 300' x 124'. Water available on property. Bids being accepted immediately. Mail bids and inquiry to Archie D. Stuck, 127 E. Main St., Belleville, PA 17004. Bids must be postmarked no later than Aug. 8, 1983. The owner reserves the right to reject any or all bids.

FRANKLIN COUNTY - dairy and general farms, Koons Real Estate, Inc., 717-597-8300. Roger Wideson R.E.S., 717-263-5702.

For Sale - 15 acre hog farm, Nebraska hog house, 600 capacity, converted barn 320 capacity, also veal barn, 10 acres tillable, 1 acre woodland, 5 bedroom house, 4 car garage, Dauphin Co., near Hershey, 717-944-1007.

Dairy Farm - Central, NY. 280 acre, 84 stall barn, new pipeline bulk tank. Two 20x50 silos, outbuildings, two homes in excellent condition. Call for details 315-662-7708.

Veal farm for sale, Mifflin County, near Belleville on 2.5 acres. 288 calf capacity barn, house and another barn. $79,000. Farm Credit Service, 717-248-7331.

Real Estate for sale by owner - 3 bedroom rancher, new kitchen, completely finished basement, living room, dining room, full bath, and laundry. 24' x 28' 2 car garage, 1 acre lot. 215-445-4289.

140 acres, 2 houses, 85 acres tillable, 50 miles North of Harrisburg in Dornsife. Out buildings & barn. 717-578-9237 or 717-758-3920 after 4 pm.

Wanted - Dairy farm to rent. Write Amos K. Stoltzfus, 440A Peters Road, Gordonville RD#1, Pa. 17529.

For Sale - Columbia County New York mini horse farm, 8.2 acres with 5 stall horse barn, 9 year old contemporary home with 2 bedrooms plus sleeping loft, large living-dining area and stone fireplace, Cathedral ceiling, deck and full basement, low maintenance by owner, $85,000 518-537-4563.

Bedford County, 50 cow dairy farm, 240 acres limestone soil, 93 tillable, 650 gal bulk tank, 20x60, 12x40 stave silo plus 20x30 Harvestore, 4 bedroom brick house, partially remodeled. $275,000. 814-847-2833.

Central New York dairy farm for sale by owner: 25 miles north of Binghamton; 360 acres, 180 tillable, valley soils, modern family size dairy, nice location with good markets, $180,000. 607-849-3908.

Farm for rent - 40 acres, modern house, barn and work houses, Lancaster Co., 6 miles from Ephrata, 215-562-4820.

Farm For Sale

Beautiful stone house, 526 acres, 250 tillable, balance mostly pasture Farm is tile drained Excellent Alfalfa soils in high state of productivity Capacity for 150 milkers -110 free stalls, 45 tie stalls on a pipeline milking system - 2000 gal bulk tank - 3 silos, extra barn for heifers and storage Would consider long term lease Located in Southern Jefferson County New York - Call 315-232-4926

REAL ESTATE

Farm and necessary machinery in Huntingdon County. Call 814-259-3469 call after 6 P.M. daily.

94 acre dairy farm, approx 65 tillable, 33 tie stalls, 74 free stalls, 2 silos, new house, new corn barn, new horse barn $4,000 per acre. J. Stoltzfus, Box 113A, Peach Bottom, Pa. 17563.

REAL ESTATE

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds. 717-394-3047 or 717-626-1164.

96 Acre Dairy Farm, Oxford area, good house, bank barn, equipment shed, $250,000. Hayes Oxford 215-932-3092 - evenings call Jack 717-354-9534.

NORTHCENTRAL, PA. FARMS & INVESTMENTS

Priced To Sell — Priced To Sell

NEW DAIRY LISTING

100± acre farm in Tioga Co. 36 large Holstein ties, room for 22 heifers and more, 2 concrete silos w/unloaders, 600 gal. bulk tank w/dumping station. Nice 2 story remodeled 5 bedroom house, just $99,000 M-514 PH: 717-662-2138

72 COW DAIRY FARM

50 tie stalls on pipeline w/22 ready to hook on. Additional 20 heifer stalls. 20x60 & 16x50 silos w/unloaders. Approx. 188 acres all but 40 till. or pasture. Pole barn and shop/machinery shed. Totally remodeled 5 bdrm. home. Existing FHA 5% int. loan for $95,000 Just $179,500. M-532 PH: 717-662-2138

Over ¼ million gross, small town grocery store, stocked and equipped, 4 bedrooms 2 baths, apartment above. Reduced to $125,000. #1950-T PH: 717-265-3171 or 717-265-8903

Hunting ground. With owner financing, near game lands. 82 acres for $45,000, also 47 for $25,000. PH: 717-265-3171 or 717-265-8903

THE Real Estaters

Offices: Area Code - 717
Tioga, Potter & Bradford Counties call or write
MANSFIELD, RD 1, Box 41 662-2138
TOWANDA, Bridge St 265-3171
OUR #1 AIM IS SERVICE

OPERATING DAIRY GENERAL FARMS OR FARMETTES

We Are As Near As Your Phone

Lanc. Co. general limestone w/sources of income, 65 till. acres, plus woods, just off of Rt. 30 west.

Gentleman Estate southeast Lanc. Co., 67 acres, lovely 6 bedrm. modern home w/fireplace, stream, half wooded, owner financing.

Buck area, 79 acres, no buildings, motivated seller.

Short drive out of Lancaster Co. (west of Buck), 135 acres high corn yielding soil, large stone home w/character.

LANCASTER CO. OPERATING MODERN DAIRY FARM NEW LISTING

Clean and ready to move on. Over 90 acres good producing groun. Nice dairy set-up w/46 Stanchions and Box Stalls, 850 gal. tank, pipe line, Heifer Barn. Lot of road frontage. Modernized Stone Home. A must to get details on this one!.

1¼ hour northwest of Lancaster area, big value, 100 acres w/many buildings.

Same area as above farm, 15 acres scenic hill country home, mostly wooded, stream, priced mid 30's.

Small starter dairy w/76 stalls, pipeline, 3 silos, operating, southern Tioga Co.

189 wooded acres along Penns creek, $450 per acre.

KINGSWAY REALTY
REALTORS
1770 Oregon Pike
Lancaster
Phone: 717-569-8701
or Ephrata 717-733-3344
REALTOR

REAL ESTATE

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022.

Farmette, 12.66 shares, for sale by owner. 717-259-9983.

STRASBURG RD. COATESVILLE - 143 Acre Dairy Farm, 100x90' Dairy Barn, 650 Gal Esco Tank, 43x40' Masonery Bldy, Stone Spring House, Approx 100 ac tillable, 10-15 ac woodland Price includes farm machinery 4 BR Brick Colonial House and a 4 BR frame tenant house $600,600

HOSTETTER Realty
Box 2023 A. • Gap, PA 17527
442-4114 & 687-8286

GOING TO AFRICA

Christian family leaves great operating dairy in Herkimer County to begin missionary work.

- 207 acres, 155 tillable, rich soils
- 60 tie barn with 2" boumatic line, 850 bulk tank and new silo.
- 56 top milking holsteins, gross milk $96,000
- 3 tractors includes JD 4010 and 3020 and huge line-up of modern equipment
- Colonial home with over $30,000 in interior
- lots of terms, OWNER WANTS IMMEDIATE SALE, $195,000 stocked and equipped or $135,000 bare

Top Freestall Complex Will Be Sold Before Spring

- Modern 80 unit facility built 1970 all steel frame with double fix herringbone parlor
- Over $17,000 invested in new super milking system in April 1983 plus new 1500 gal. Zero tank
- Harvestores 20x50 Martin Silos, Clay self feeding system with Swartz weigh master
- 52 stall heifer complex with bunk feeding, new in 1975 plus machine shed
- Special setting 242 acres, 160 tillable, excellent soils, 3 ponds.
- Super shape 4 bedroom colonial vinyl sided, new kitchen, new heating system
- Great terms offered on their price of $250,000, $65,000 down. Balance at 10%
- Over 150 head holstein. Nearly 100 milking and large selection of modern equipment. Owner says lets talk price
- You won't find a better free stall package anywhere for the price. Don't wait to call if you've been searching for a clean, efficient, modern set-up that's affordable.

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REAL ESTATE

Franklin Co. Farms

268 acres modern dairy w/double 6 parlor, 210 free stalls

157 acres dairy, 36 tie stall barn & loafing barn, $157,000

105 acres general farm w/lovely home, make offer

95 acres grain farm, excellent land, modernized brick home

Also 100 acres of open land near Gettysburg w/70 acres tillable

VanCleve Real Estate
Phone: 717-392-3032
anytime

WANTED TO RENT - CROP LAND

Experienced vegetable growing couple seeks 10-30 acres of tillable cropland Must be level or nearly level and near irrigation water Southeastern PA, Northeastern MD, Northern DE Housing on or near property needed, or permission and proper zoning to site mobile home. Will pay premium cash rent for 3 plus year lease. Call evenings
215-944-0255

FOR RENT - FARM AVAILABLE MARCH 1st

450 acres with a 60 stanchion dairy barn, 3 additional barns and 2 houses, good average goes with farm. Renter must furnish own machinery and cows. If interested, contact me before January 1st. Phone 301-838-4081. Write H.S. Walter, 3025 Ady Road, Forest Hill, MD 21050

SOUTHERN YORK COUNTY

Near Delta
230 acre dairy farm
155 acres tillable
30 acres pasture
balance woods

$2000 per acre, owner
York, PA

717-741-3105

ATTENTION LAND OWNERS IN LEHIGH AND BERKS COUNTY

Now is the time to make arrangements to lease your farm land for spring 1984.

Rothrock Golden Holstein Farm
215-756-6611

REAL ESTATE

WANTED

Farm in Honeybrook Elverson Area

NORTHUMBERLAND CO.
Dornsife, Pa.

Nice 3 bedroom house, dishwasher, electric range, more than 14,000 sq ft chicken house, 1st floor concrete, ideal for pigs or steers, elevator, heating system in part, frame bank barn, work shop with daylight basement, 2 car garage on 2 acres East of Dornsife Rt 225

S. LYCOMING CO.

213 ac dairy farm, 130 ac tillable, 62 stanchions, space for 65 more, 133 freestalls, liquid manure pit, 3 lg silos, 4 wagon sheds, stock and eq can be bought Will sell owner financing

MANHEIM
Lancaster Co.

60 ac general farm, 8 ac pasture w/stream, stripping room & cellar

NITTANY VALLEY AMISH AREA

112 acres general farm, limestone, 60 acres farmed, more can be farmed, 28 acres pasture, owner financing, $165,000

Donald R. Witwer,
Broker
Ephrata, PA
717-738-1458

PRIVATE LIVING

peace and solitude on this 35 acre tract in Bingham township, Potter County 1500' road frontage Small stream, open and wooded $450/ac (D263)

NEWLY DEVELOPED

mobile home park on 17 acres in NY state Close to Corning and new dams 38 slots, 13 rented Drilled well and sewage plant Owner financing $99,000 (D265)

GENTLEMAN'S FARM

124 acres Pond, barn, 71 acres tillable Good for sheep or beef 5 BR remodeled home Northern Tioga County $85,000 (D276)

ERA-Homestead Realty
168 W. Main St.
Westfield, PA 16950
814/367-2222

WHITE WATER RAFT

Family business, garage, 10 acres, pond, Pine Creek and State Land frontage 4 BR house, family room, living, dining room, country kitchen & 3 fireplaces Oil and wood heat 11 8% rate of return Terms $67,500 $42,500 mortgage, 10% interest, 20 years $416/mo (M1567)

GREAT HUNTING CAMP

or summer home near State Land and Tioga Lake 3 BR rancher ready to move in at the low price of $18,000 There are other camps in the area The hunting is good Wood stove included Taxes $425/yr (M1525)

NICE RURAL SETTING

33 3 ac on hard road between Mansfield and Elmira Hunting & Stocked stream on property $19,900 (M1519)

ERA-Homestead Realty,
267 S. Main St.
Mansfield, PA 16933
717/662-3287
14.3 Acres...$6,500
(W547)

16 3 Acres with camp $9,800 (W564)

BETTER TAKE A LOOK

2 Bedroom house in good condition near State Land $29,500 (M1270)

LAND SAKES...

90 acres of some of the prettiest land in the area One-half wooded, one-half open Views Easy access Terms $33,750 (W695)

ERA-Homestead Realty
23 E. Avenue
Wellsboro, PA 16901
717/724-7161

ERA

REAL ESTATE

221 ACRE FARM

2" stainless steel pipeline, tank, 3 silos, overlooking Seneca Lake. Price reduced for quick sale.

Owner financing.

607-243-8669

REAL ESTATE

FOR RENT

290 Acres M/L
Limestoen Soil
Near Carlisle, PA

717-249-2300

Grain Storage & Drying Available

REAL ESTATE

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RAY N. WILEY INC.

323 W. Main St.
Mount Joy, PA

CALL 653-1481

FARM LISTINGS NEEDED

Farm Salesman - Eugene Kreider

REAL ESTATE

60 ACRE FARM

with all new buildings, 43 cow stanchion barn, 4 door shop and wagon shed, 30x40 2 story house, 2 miles east of Honeybrook, along 322, Samuel Stoltzfus, RD 3 Honeybrook, PA 19344

LANCASTER CO. OPERATING DAIRY FARM

90+ acres good producing dairy set-up, all modern pipeline, 850 gallon tank, silos with unloaders, 50 cow stanchion barn, very nice 3 bedroom stone house, move-in condition, spring possession

Call Randal Kline at
Kingsway Realty
For Details
717-569-8701 or
717-733-1006

FARM AVAILABLE NOW

120 acres, 20 mile from Carlisle, nice level fields, several ponds and stream for irrigating, large bank barn and house with all improvements, large mobile home on property, owner will offer financing. Call 717-249-1165 after 5 PM

PENNA FARMS
CUMBERLAND CO.

87 acre dairy, 28 tie stall barn w/40x40 addition, large heifer barn, silo, pole building 40x66, road frontage 3 bedroom frame dwelling, a good starter farm

127 acre general, 102 crop acres, bank barn, frame dwelling, needs repaired PRICE ADJUSTED $109,900

FRANKLIN COUNTY

130 acre dairy, limestone soil, 38 stanchions, pipeline milkers, 1000 gal bulk tank, (2) 40x70 pole barns, barn hay elevator, 2 bale conveyors, 2 large corn cribs, stable cleaner, 3 bedroom stone dwelling, road frontage, 40 adjoining acres available

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND & CABINS

We presently have one of the largest selections of farms, farmettes, land and cabins available in central Pennsylvania. We have over 50 exclusive listings.

Our Farm and Land Department would be happy to mail a free, detailed farm and farmette list or land and cabin list to you.

See the November 12 and December 10 issues for a complete farm inventory.

FARM AND LAND DEPARTMENT

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Don Myers (814) 422-8111 (Bedford) Richard D. Reed (814) 839-4271
Mel Rockey (814) 466-6688 (Huntingdon) Rachel Port (814) 658-4194

KISSINGER LEONARD & ASSOCIATES Realtors

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William H. Leonard, Realtor
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245 S. Allen St.,
State College, PA 16801
(814) 234-4000

PA FARMS

CAMBRIA COUNTY - 285 acres livestock farm, 120 gently rolling tillable acres, 60 acres of good pasture, balance wooded Large barn, concrete silo, machine shop, spring fed pond and 2 houses. Owner financing, $325,000

BEDFORD COUNTY - 161 acre livestock farm, 40 rolling tillable acres, 76 acres pasture, and balance wooded 2 very good houses, bank barn, 3 car garage and outbuildings Near Cumberland Maryland, $185,000

BEDFORD COUNTY - 120 acres gentleman's farm, 40 acres pasture and balance wooded Spring fed stream runs through pasture, ideal for pond 3 year old raised ranch style home and a 2 story home plus a barn and shed Owner will divide!! $149,000

BEDFORD COUNTY - 82 acre general farm, 30 acres cropland, 5 acres well fenced pasture and balance wooded Exceilent 2 family dwelling, barn, implement shed and a small pond Owner could add more tillable acres!! $139,000

BEDFORD COUNTY - 62 acre farm with a good house, small barn and 15 acres pasture bordered by stream Ideal for horses!! About 25 acres in mixed hay, 5 acre orchard and balance wooded $20,000 cash down, $90,000

REALTY CENTER
814-946-0466
Daniel K. Knode Realtor
1801 Valley View Blvd.
Altoona, PA 16602

83 ACRE CHRISTMAS TREE FARM - Over 40,000 Christmas trees maturing for an abundant crop, the most scenic location around Gettysburg, lots of development potential, lot of firewood which can now be sold, 2 dwellings and a barn all in very good condition. $226,000 (#8301)

ERA

MARSHALL L. MILLER, INC. REAL ESTATE
717-334-6283 or
Outside of Adams Co.
Call 1-800-443-2781,
Ext. C-53

NEW LISTING

44 acre beef farm, zoned R1, 33 ta, stream through pasture, very nice 4 bedroom farm house bank barn & corn barn, $125,000.

Also 4 buildings on large broiler farm - 58 acres, 300 hogs - nice 2 story farm house & many other out buildings.

265 acres beef farm, 2 silos & stream with 2 story brick home and limestone soil.

93 acre beef farm, frame house and 4 car garage.

37 acres woodland, w/nice rancher. Call Mr. Baum.

Up to 422 acres of good level land w/3 sets of buildings. Good 50 cow dairy barn, financing available.

24 acres for hunting cabin in Bloomsburg area.

30 acres for hunting cabin, McVeytown area.

FARM & HOME REAL ESTATE
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717-291-2270

Sylvester Baum	Harlan Keener	Mahlon Oberholtzer
Carlisle	Willow Street	Lancaster
717 776-3967	717-464-2669	717-392-1177

Broker-J Irvin Denlinger
717-898-8962

Virginia Gold Mine

Gentleman's Estate with income producing business. 200 well watered acres with pond, massive colonial home suitable for large family or nursing home. 7 acres planted in highly lucrative asparagus crop plus 200 cow farrow to finish hog operation. Room for air strip and much more. 804-561-3082 evenings.

HAVE YOU ALWAYS WANTED TO START FARMING?
SEE ONE OF THESE GREAT BUYS!

1440-K 64 A farm with large home, fair barn, land fertile (22 acres are creekflats) Great for truck farm, orchards, beef or sheep **$72,250**

1482-L 152 A farm, 70 A open, 62 A pasture, 20 A wood Solid 4 bedroom home with new siding, Ribstone silo with unloader Needs new barn erected Priced accordingly @ **$89,000**

1559-K 69 A, Turn Key Farm, with 54 tie stall barn, 45 A tillable, machinery and livestock included - large farm house **$155,000**

1475-L 150 A farm with 130 tillable acres 50x80 barn with 63 tie stalls heifer barn and machinery shed 2 bulk tanks 3 bedroom home **$180,000**

Century 21

JACKSON REAL ESTATE
R D. #2
Wysox, Pennsylvania 18854
(717) 265-2100

NORTH CENTRAL PA.

BUSINESS LOCATION Long road frontage on Rt. 15. 24'x24' rustic building with 10'x10' cooler. 6 acres. $26,900.

10 ACRE parcels. Wooded. Adjoining State Lands $8,500.

BUSINESS & RESIDENCE Over 1,300 sq. ft. for business. Recently remodeled 3 bedroom apartment. Small rental apartment. Ideal business location. Over 1 acre $46,900.

Call 717-724-3232
11 Central Avenue
Wellsboro, Pa. 16901

VARIETY STORE Modern 90'x55' building. Fully equipped. Flourishing business in small village. Owners retiring. $85,000 plus inventory.

OPERATING DAIRY FARM 400 acres. Over 200 tillable. New 80 cow dairy barn. Fully equipped. Holsteins. 20'x80' Harvestore. $440.00.

Call 814-258-5127
113 W. Main Street
Elkland, Pa. 16920

Partnership Dissolution
Borough of PARKESBURG
CHESTER COUNTY, PA.

AUCTION

Subject to Confirmation
FINANCING AVAILABLE on Parcel A

PARCEL A: 81± ACRES
Stone Farmhouse - Circa 1785
IDEAL FOR AGRICULTURE & RESID.
66 Ac. Tillable - Rows 3000' or More
Fronts Rt. 10, S. Gay St. & 4th Ave.

ABSOLUTE AUCTION

PARCEL B: 13± ACRES
5 ACRES COMMERCIAL
8 ACRES RESIDENTIAL
2200' on Rt. 10, Beale Dr. & S. Gay St.

PUBLIC WATER & SEWER
CLOSE TO MAJOR INTERSTATE HIGHWAYS
Near Many Ind'l Parks & AMTRAK Station

Inspect Farmhouse - Day of Sale
SALE on Premises: SAT., DEC. 3
On Parcel A at 11 A.M.

15% DEPOSIT AT SALE-REQUEST ILLUSTRATED BROCHURE

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FOUR TO CHOOSE FROM!...

- ★ **86 ACRE LIMESTONE DAIRY FARM...** Nice Tie-Stall Barn!
- ★ **106 ACRE DAIRY FARM...** Excellent Dairy Facilities, Good Feed Storage!
- ★ **97 ACRE DAIRY FARM...** 3 Harvestores, plus 2nd Farm to Rent!
- ★ **128 ACRES...** 106 Tillable, 54 Tie Stalls, 4 Stave Silos!

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EXCLUSIVE PA FARMS FOR SALE

See our detailed ad in the November 12 and December 3 issues.
Please call or write our office for detailed farm list.

PAUL M. LONGACRE REAL ESTATE
Box 186 Rt. 100
Hereford, PA 18056
215-679-5919
Also licensed in DE, MD & NJ

GETTYSBURG AREA FARMS

FARM WITH OFF ROAD LOCATION - 158.5 acres, combination old and new home, pond, 40x64 Agway building, outbuildings, good producing land. cAll for location and details. $225,000 (11432)

OPERATING DAIRY FARM - On 103 acres, bank barn, equipment shed, garage, 2 silos, free stall barn, calf and heifer barn, 3 bedroom rancher and swimming pool. $195,000 (11775)

MARSHALL L. MILLER, INC. REAL ESTATE
717-334-6283 or
Outside of Adams Co.
Call 1-800-443-2781,
Ext. C-53

LANCASTER COUNTY FARMS

Blue Ball - 83 A Dairy
Martic Twp. - 50A hog and tobacco
Lititz - 50A general - Sold
Little Britain - 77 A Dairy
Call: 717-529-2678
James L. Marsh
CHRISTIAN M. MOSEMAN
859-1004
Akron, PA

COBLESKILL, N.Y. AREA. 357 acres, ½ open, balance wooded. 40 cow barn with silo. 2 homes. Several outbuildings. Excellent valley setting. $135,000. Owner terms available.

COOPERSTOWN, N.Y. AREA. 325 acres, 80 cow barn. 2" pipeline. 2-20x50 silos. Several outbuildings. Good mobile home. Remodeled 4 bedroom home. $165,000. $35,000 down.

FT. PLAIN AREA: Sell crops here. 225 acres. ¾ open level productive land. Nice 3 bedroom home. Excellent setting. Must sell to settle estate.

COBLESKILL: Excellent setting and location. 175 acres, ¾ open. 2 homes. 50 cow barn. 2 silos & outbuildings. Assume $110,000 plus a few $. Come take a look, must be sold.

This is just a sample. We have 100's of others. Call for free catalog and to be on our mailing list. Agriculture is our business.

Alton Makely, President
Phil King, Farm Sales Manager

COBLESKILL
Country Boy Realty
MAIN OFFICE
140 EAST MAIN STREET
COBLESKILL, NEW YORK
PHONE 518/234/4371

NEW YORK - YATES COUNTY: Majestic vineyard estate: Keuka Lake area - flourishing vineyard operation with 146 acres, luxurious home carefully remodeled, 8 varieties of grapes, horse barn and packing house are extras. View of Keuka The opportunity for excellent income and quality life style. 115A.

Century 21
FOUR SEASONS
229 Lake Street
Penn Yan,
New York 14527
(315) 536-7456

WIMPLE REALTORS STATEWIDE FARMS

EAST CENTRAL NEW YORK

COBLESKILL FREE STALL — 260 acres in center of honeoye soils belt, 150 tillable, bottomless trout pond Barn has 80 free stalls, double 5 Surge parlor, (2) 16x40 silos, 24x60 w/92' feeder plus 20x50 Harvestore with roller mill Colonial home has 12 rooms, 2 baths Tenant house plus apt INCLUDES 60 milkers, 40YS 4 large tractors and complete machinery JUST LISTED $350,000 or $195,000 bare CALL WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

CENTRAL NEW YORK

MONEY MAKING FARM WITH 7½% TERMS: with $30,000 down, it's hard to beat that interest rate Farm has 126 acres, 100 tillable, 80 acres to rent or buy, Alfalfa/corn soils, good barn has 35 ties on 2" pipeline plus 12 ties in wing, cleaner, newly remodeled milk house, new wiring, new machine shed, home has colonial lines, 5 bedrooms, most new renovations JUST LISTED - $105,000 with 42 milkers, 3 tractors and all under cover machinery available CALL WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

CENTRAL NEW YORK

EVERYTHING NEW OR LIKE NEW on this 490 acre farm with 236 tillable, new hip roof barn, set on a knoll accommodating 70 cows, has 2" pipeline (petcocks haven't even been drilled), never used milk house with 1500 gallon tank, Patz cleaner, 20x70 silo Very nice raised ranch home, also new If you want a large operation with new facilities, don't wait This has been priced for quick estate settlement at $194,500 JUST LISTED! For appt call 518-762-8931 eves or WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

NORTHCENTRAL, PA. TIOGA COUNTY

Stone barn in A-1 shape on 6 acres + with pond. Part wooded, some open. Easy access, but not on major Route. Could be remodeled for home or use as horse barn & build your own home. Morgantown area. Ask for Judy - 724-5921 or 724-2773

2 story frame house, concrete bsmt, new furnace, remodeling completed, storm windows, 3 bay carport, nice yard, made into Apartments - 1 Bdrm bath, kitchen, LR upstairs - 2 or 3 Bdrm, bath, kitchen, LR, and enclosed porch downstairs. Owner financing, 25-30% down, 11% int., 15 yr. amort, 5-10 yr. balloon, $29,900 W-740

NEW FURNISHED HOUSE/CAMP
1 story house or camp, furnished, masonite siding, new storm windows & screens, 2 bdrm, 1 full bath w/shower, large LR, kitchen, w/w carpet thru-out, walls panelled. Priced at $28,500 W-766

Century 21®
THE REAL ESTATERS OF WELLSBORO
120 East Ave., Wellsboro, PA 16901
717-724-5921
Call or write for free list.

SELLING YOUR FARM?

Auction or Brokerage?

It is your option when you call us. We will explain both plans and then you choose. No obligation.

SANFORD G. LEAMAN
Assoc. Broker & Auctioneer

BERKS CO. 150 ac modern dairy 2 lg silos lg. new imple shed, farrow house, lg stone farm house, 2nd set of bldgs w/stone farmhouse.

ADAMS COUNTY
75 ac. 55 cow comfort stall w/pipeline 20'x70' silo, pond, 5 bedroom home.

YORK COUNTY
Restored farmhouse, bankbarn w/sheep pens & housing, 53 ac total w/30+ tillable, lg spring fed pond

DAUPHIN COUNTY
54 ac w/36,000 broiler operation could be layers w/cages farrowing pens in bankbarn Good horse farm possible

LANCASTER COUNTY
42 ac w/creek frontage for irrigation, bankbarn, tobacco shed, ideal as a produce farm
114 ac w/modern free stall barn, 12 cow milk parlor, 2-Harvestores & 2- stave silos, lg. pond, rented ground nearby, ranch home and more

LYCOMING COUNTY
24' x 70' silo, 66 comfort stall bank barn, impl shed, 284 ac w/160+ tillable, 2-5 bedroom houses, priced rite

UNION COUNTY
120 ac. beef farm, lg bankbarn, grain bins, frame home, dairy poss. Owner fin
75 ac w/102 free stalls, 10 cow strip milk stable w/pipeline, partially remodeled home, impl. shed, plenty of rented land nearby
230+ ac. modern dairy barn cleaner, pipeline, lg. brick home, modern out bldgs , owner fin in Mennonite area
120 ac free housing dairy could be comfort stall barn lg modern home

PERRY COUNTY
Amish area 68 ac. no bldgs. Bldgs and additional land rent poss Bldgs set up for dairy
57 ac. Amish area, barn, woodland and approx 40 ac tillable.

MIFFLIN COUNTY
15 ac. with cabin, furniture, BEAR, DEER & TURKEY Good hunting

CUMBERLAND COUNTY
75 ac. dairy, limestone soil, modern farmhouse, Morgan free stall barn w/bunkfeeder, Mennonite area.
60 ac. w/bankbarn, trench & stave silos. Level land no rocks, dairy/steers

NORTHUMBERLAND COUNTY
83 ac. dairy, retail shop, 2 dwellings, Amish and Mennonite area Excellent soil
42 ac dairy or steer farm w/lg bankbarn, 1 high moisture silo, 1 reg w/bunkfeeders, brick dwelling In Mennonite & Amish areas.

SNYDER COUNTY
110 ac. dairy, barn cleaner, 29 stanchions, lg brick home, in Amish area Limestone soil.

If you are thinking of buying or selling a farm or farmland call Sandy today. He will be glad to serve you in any county.

HIGH REALTY CORP.
1837 William Penn Way
Lancaster, Pa. 17601
717-569-4264
A High Industries, Inc. Company

NORTHUMBERLAND COUNTY

F2-3-500 R D #1, Paxinos - Beef or General farm Total 116 acres with minimum 100 acres tillable Soils in top condition and good producers All buildings have been completely renovated or have been erected since 1979 2 story/2 family, brick farm house also completely remodeled, excellent quality and tastefully decorated Attractive setting with good access Call for additional information

F2-3-501 R D #3, Sunbury Beef or general farm, 63 acres approx 50/55 acres tillable with remaining in fenced pasture Bank barn and other buildings in excellent condition Super "B" grain dryer with 2500 Bu. wet/900 Bu dry holding bins Dump pit, grain elevator, 90' leg w/cleaner Total 63,000 Bu storage capacity Additional information available

L2-508 Shamokin Township farm -85 acres total 40/45 tillable & pasture with remaining woodland 8 to 10 acre tract never timbered. 7 room, 4 Br house open for your decorating ideas Bank barn and equipment shed in fair condition 7½ miles from Sunbury, priced at $95,000

L1-525 R.D #2, North'd - 139 acres with approx half tillable, 400' frontage on hard surface road. Possibility of return on investment with sale of attractive building sites Owner will consider assisting in financing Priced under $850 per acre

COLUMBIA COUNTY

L2-3-504 118 acres -70 acres tillable and 48 acres woodland. Excellent access - within 5 miles to Interstate 80 on Route #44 at Buckhorn exit Property divided by township road and owner would consider separate sales Priced at below present area sales per acre

BOWEN AGENCY, INC.
22 N. Market St.
Selinsgrove, PA 17870
(717) 374-2165

Art Bowen 743-7556 · Dale Heim 473-3341 · Dave Herbst 374-0257

SOUTHERN NORTHUMBERLAND CO. & SURROUNDING COUNTIES

75 acre farm, 30 tillable, 25 pasture, pond, 2 streams, barns, 3 bedroom home, $63,900. Call Peter.

150 acre, 115 acres tillable, 200 steer feed lot, silo, 10,000 bushel grain storage, 125x30 machine shed, 2 nice homes, $199,000. 20% down. 12% conventional mortgage. Call Peter.

70 acre new 100' modern hog setup, 50' Harvestore, large machine shed, large bank barn, 30,000 bushel grain storage. $65,000 home. $129,000. 20% down, 12% conventional mortgage. Call Peter.

20 acre farmette, can be bought with no money down, $69,000. Call Peter.

102 acre farm, 65 tillable, 4 bedroom home, barn, pond, stream, $139,000. Call Peter

60 acre farm, lg. home, wood or oil heat, bank barn, small orchard, $69,000. Owner wants to sell, make offer. Call Peter

137 acres, new horse stable, butcher shop & machine shed, large bank barn set up for sheep, pasture w/pond, 60 tillable, $150,000. Call Peter

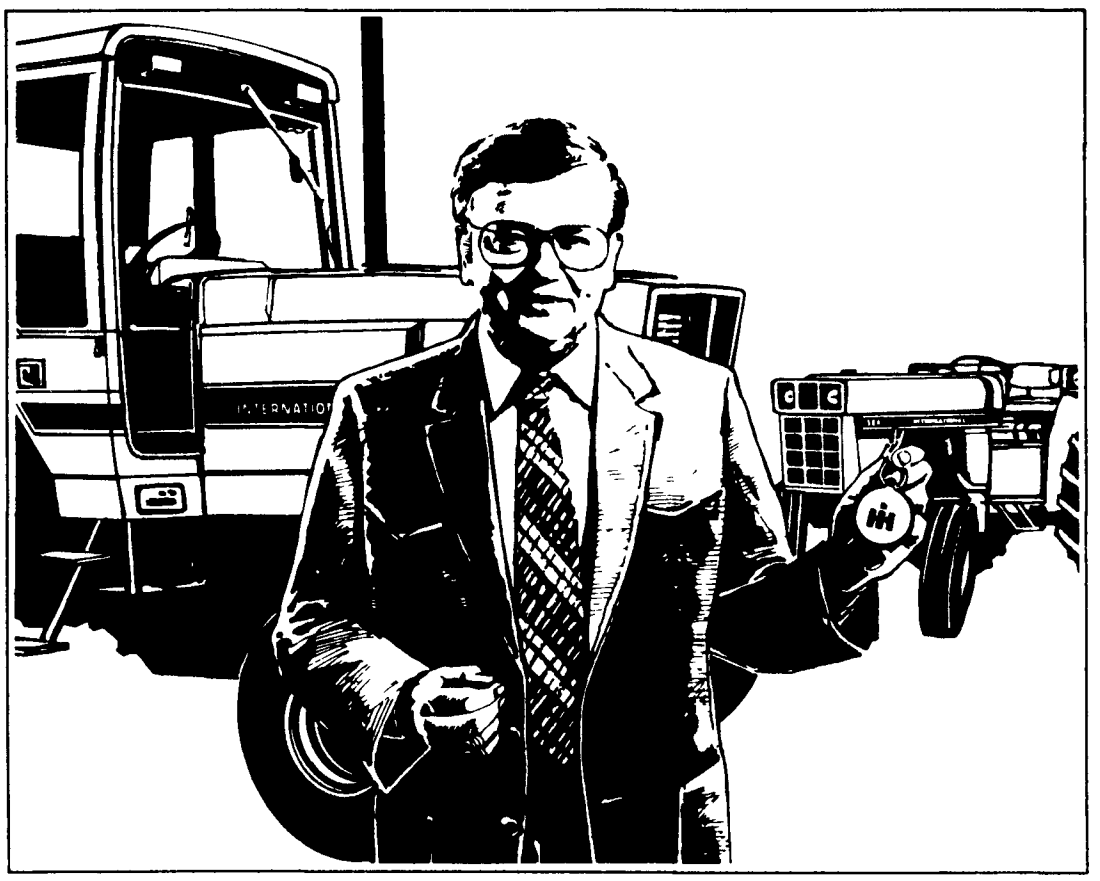
600 acre farm, 400 tillable, large grain setup, $850,000. Call Peter.

400 acre farm, beef & broilers, 390 tillable, $800,000. Call Peter

400 acre grain and vegetable farm, large quantity of water for irrigation, new barns, extra nice home, 220 tillable, large quantity of low rent ground available, $500,000. Call Peter.

50 acres of farm and woodland, stream, $39,000. Easy terms. Call Peter.

PETER B.
CORTELYOU
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177
Ralph Deibler, Salesman
717-692-2587
Ralph has country homes and taverns.



There's never been a better time to buy a new International® tractor. Because when you buy now through January 31, 1984, another bonus comes with the key to that new International tractors: an expense paid trip to England. Five days and four nights. With me, Orion Samuelson, as your host. Yes, purchase a new 30, 50 or 60 Series Tractor, or any new 84 Series Tractor between November 1, 1983 and January 31, 1984, and you **earn a free trip to England.**

If you prefer cash instead of the trip, you will receive $1,100 from International Harvester for each qualifying tractor you buy.

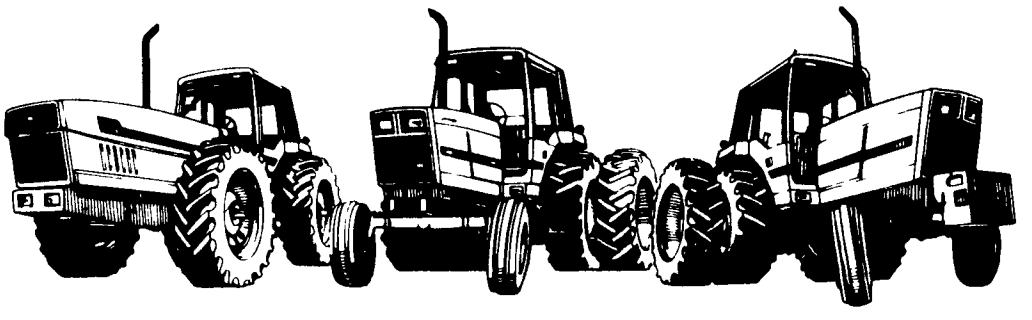
New International tractors, from 42 to 187 PTO horsepower. Your key to performance on the farm. And, your key to an exciting expense-paid trip to England.

Remember, a tractor purchase now may greatly reduce your year-end tax liability.

See us today for all the details.

INTERNATIONAL HARVESTER

Note: Offer subject to change or cancellation without notice



INTERNATIONAL AGRICULTURAL EQUIPMENT

SEE THESE DEALERS FOR BEST DEALS & SAVE

INTERNATIONAL AGRICULTURAL EQUIPMENT

CLARENCE WILSON & SONS
Kimberton, PA
215-933-3581

R.T. MARKLE FARM EQUIPMENT INC.
1841 Pine Hall Drive
State College, PA 16801
814-237-3141

R.S. HOLLINGER & SON
Mountville, PA
717-285-4538

HICKORY INTERNATIONAL INC.
Route 1 Hickory
Bel Air, MD
301-838-4200

MELVIN J. SHEFFER, INC.
121 Railroad Street
Hanover, PA
717-637-3808

MANOR EQUIPMENT, INC.
Wheatfield Rd. #8356
Sinking Spring, PA 19608
215-678-0828

SWOPE & BASHORE, INC.
Myerstown RD 1 Box 173
717-933-4138

NEIL S. HARRISON, INC.
Orangeville, PA 17059
717-683-5586

MESSICK FARM EQUIP.
Rheems Exit Rt. 283
Elizabethtown, PA
717-367-1319

SIVERS EQUIPMENT CO.
Wyalusing, PA
717-746-3355

ERB & HENRY EQUIP., INC.
22-26 Henry Ave.
New Berlinville, PA
1 Mile North of Boyertown
215-367-2169

WM. HOBENSACK'S SONS
1060 Greeley Ave.
Ivyland, PA
215-675-1610
215-343-2101

C.B. HOOBER & SON
Intercourse, PA
717-768-8231

OTT BROS. FARM SUPPLY
McConellsburg, PA
717-485-4114
717-485-4662

BIGGS INCORPORATED
34 Buckley Ave.
Rising Sun, MD
301-658-5531

DIBBLE HARDWARE
Meshoppen, PA
717-833-5337

SQUARE DEAL GARAGE
Millheim, PA
814-349-5609

LAMB'S FARM MACHINERY
Thorndale, PA
215-269-2676

M & R EQUIPMENT, INC.
New Park, PA
717-993-2511

FARM-RITE INC.
Shiloh, NJ
609-451-1368

C & W EQUIPMENT, INC.
260 York Rd.
Carlisle, PA 17013
717-243-4419

MIFFLINBURG FARM SUPPLY
Route 45
Mifflinburg, Pa.
717-966-3114

INCH EQUIPMENT CO.
Box 147
Dalmatia, PA
717-758-3021

GEORGE W. KINSMAN, INC.
516 Main St.,
Honesdale, PA 18431
717-253-3440

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ECKROTH BROS. FARM EQUIP., INC.
RD 2, New Ringgold, PA
717-943-2367

NORMAN BRIGHT
New Egypt, NJ
609-723-0300

HOOBER EQUIP., INC.
Middletown, DE
302-834-5177

VOUGH & SONS, INC.
Bangor, PA
215-588-5922

RINGTOWN FARM CO., EQUIPMENT
RD #1 Box 3A
Ringtown, PA
717-889-3184

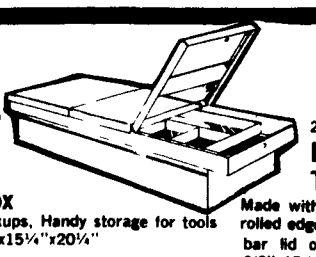
CENTRAL TRACTOR

FARM & FAMILY CENTER

VISA MasterCard

Hurry!

Sale prices good now through Sat., Dec. 10, 1983



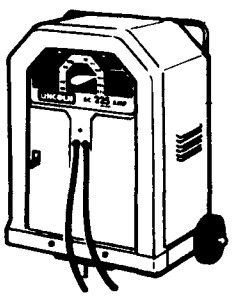
$79.99
22185-269
Pickup Tool Box
Fits most standard pickups, Handy storage for tools Locking latches 70 1/8"x15¼"x20¼"

Mini Pickup Box
22205-269
Fits Datsun, Luv, Toyota, Scout, Courier, GMC S15, Chevy S10, & Ford Ranger pickups

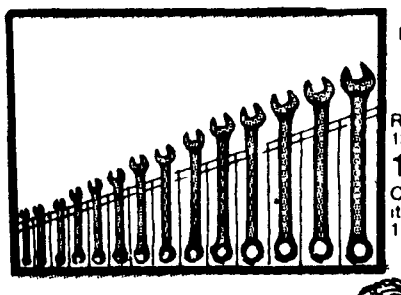
L-Shaped Fuel Tank 100 Gal 22204-269 — 149.99 Reg 159 99

$129.99
22301 269
Heavy Duty Champ Tool Box
Made with heavy gauge steel and sturdy rolled edges Heavy duty automatic torsion bar lid opener, and self-sealing lid 71 3/8"x15 1/8" x 20 1/4" 120 lbs

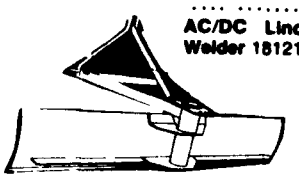
Mini Pickup Box
22357-269
Fits Datsun, Luv Toyota, Scout, Courier GMC S15, Chevy S10, & Ford Ranger pickups

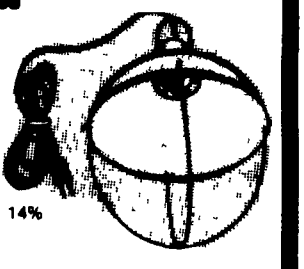
139.99
Reg 148 99 / SAVE 9 00
18040-115
Lincoln 225 Amp Arc Welder

Includes ground clamp Insulated electrode holder, 15' electrode cable, 10' ground cable, 6' input cable with plug, female receptacle and helmet Uses 220 volt, 60 cycle power source Wheels not included *Regular prices may vary locally.*

Welding Glove ..... NOW 5.19
..... 18039-115
AC/DC Lincoln 225 Amp Arc Welder 18121-115 ..NOW 274.99



19.99
Reg 29 99 / SAVE 10 00
13447-022
14 Piece Wrench Set
Combination box and open end in its own roll-up pouch Sizes 3/8 to 1 1/4"



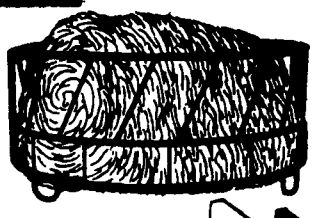


4.29
Reg 4 99 / SAVE 14%
9588-055
Hanging Brooder Lamp
Hanging reflector complete with porcelain high heat socket and wire guard for the bulb Complete with 6' 18 gauge wire and plug UL approved

Clear Bulbs 11432-133 — SALE 1.39 Reg 1 88

Infra Red Bulbs 11433 133 — SALE 3.69 Reg 4 79

29.99
Reg 33 99 / SAVE 4 00
9859-069
Air Operated Grease Gun
Recommended for use with air pressures from 75 to 150 lbs

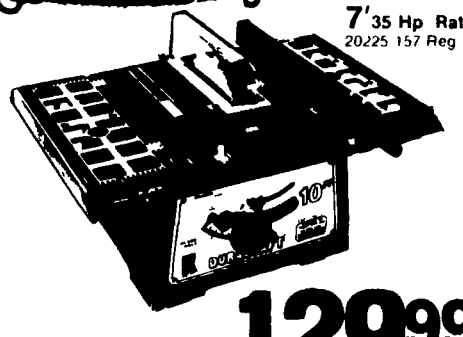
139.99
Reg 149 99 / SAVE 10 00
17742-253
Round Bale Hay Feeder

8 ft diameter feeder Made of heavy 1½ tubing with 1 slant bars Legs prevent freezing down

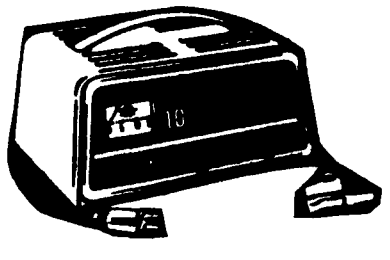
Econ. Rd Bale Feeder 17767-253 Reg 119 99 — SALE 109.99

SAVE up to 20.00
Three Point Tractor Blades
6' 30 Hp Rating 20250 157 Reg 119 99 — **109.99**

6' 35 Hp Rating 20229 157 Reg 159 99 — **139.99**

7' 35 Hp Rating 20225 157 Reg 179 99 — **159.99**

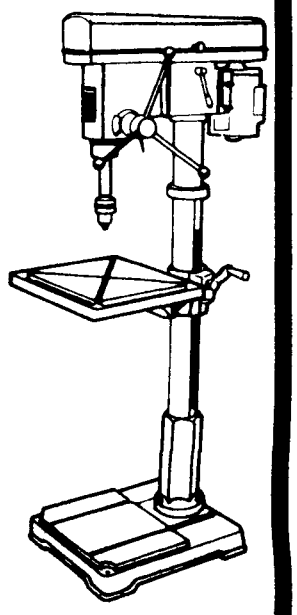




Terramycin A&D fortified and Medicated Crumbles 50 lb bag
$9.99
10 or more $8.99

129.99
Reg 144 99 / SAVE 15 00
30240-423
10" Bench Table Saw
You can Rip, Cross Cut, Miter, Bevel, Dado and Sand 10" blade, depth of cut 3⅛" @ 90°, 1½ Hp high torque motor 17" x 26½" heavy duty cast aluminum table, see-thru blade guard with anti-kickback pawls & spreader, rip scale in inches & millimeters, and locking key type "On-Off" power switch Model BTS10

139.99
Reg 169 99 / SAVE 30 00
Bench Model 30036-423
5 Speed 13" Drill Press w/Motor
½" capacity 5 speeds (480 to 3170 RPM) with ½ chuck ½" Hp all ball bearing motor



169.99
Reg 199 99 / SAVE 30 00
Bench Model 30011-423
199.99 Reg 229 99 / SAVE 30 00 Floor Model 30004-423
13" 16 Speed Drill Press w/Motor
⅝" capacity, 16 speeds (280 to 2800 RPM) All ball bearing spindle and drive

SAVE up to 3.00
Battery Chargers
Charges 6 and 12 volt batteries Rugged steel case, accurate numerical dial ammeter shows exact rate of charge

6 Amp 16282-064 Reg 24 99 — **22.99**

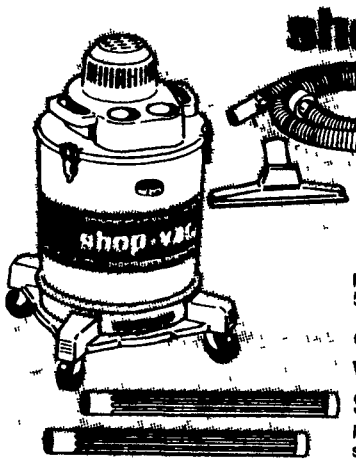
10 Amp 16276-064 Reg 29 99 — **26.99**

10 Amp Automatic 16283-064 Reg 36 99 — **33.99**

39.99
Reg 44 99 / SAVE 5 00
16284-064
10-30-50 Amp Booster Charger
Solid state 50 amp cranking power and 30 amp fast boost charge with 10 amp battery charge A cool efficient copper wound steel laminated transformer Input and output circuit breaker protection, 6' grounded power cord and color coded output cables with alligator type clamps

89.99
Reg 94 99 / SAVE 5 00
16281-064
250 Amp Booster Charger
Solid state circuitry for dependability, high temperature copper wound transformer, full wave silicon rectifiers and a heavy duty 18 gauge steel case Comes with 8 foot grounded power cord and 8 foot output cables 250 Amp Watt Boost 25 Amp Charge UL Listed

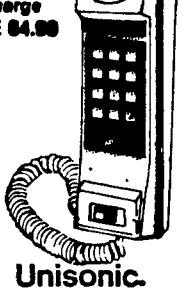
100 Amp Boost, 10 Amp Charge
16280-084 Reg 69 99 **SALE 64.99**



shop-vac®

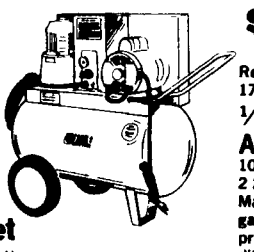
38.99
Reg 44 99 / SAVE 6 00
5 Gallon 51004-336
46.99 8 Gallon 51043-336 Reg 54 99 / SAVE 8 00
Wet-Dry Shop Vacuum
Picks up water as well as the usual shop dust, litter, etc Large capacity drum sits on heavy duty casters Complete with 1¼" flexhose 2-1¼" extentions and 10" combination head

39.99
Reg 49 99 / SAVE 10 00
14399-022
The Tool Locker™ Tool Chest & Cabinet
3-drawer tool chest with roll around cabinet, at an amazing low price Heavy duty steel construction two unit system Padlock hasp on both units 4-position cabinet shelf Automatic drawer locks Over 4 cubic feet of storage space


Unisonic

21.99
Reg 25 99 / SAVE 4 00
11710-355
Unisonic® 10 Memory Phone
Modular designed telephone has 17-digit last number re-dial mute feature LED in-use indicator automatic cut-off when placed on flat surface or in holster, universal rotary dialing 10 number memory - permitting automatic dialing of up to 10 telephone numbers Wall holster included Ivory color

88¢
Reg 97¢ / SAVE 9%
18258-234
Windshield Wash Anti-Freeze
1 gallon Protects to -25°



$184.95
Reg 194 95 / SAVE 10 00
17980-106
½ Horsepower Air Compressor
10 gallon tank, 3 4 CFM displ., 2 2 CFM at 40 psi Dial-O Matic control with easy to read gauge enables you to dial the pressure desired no additional regulator needed
15' Air Hose 17791 106 Reg 5 99

3 For **$1.00**
Reg 44¢ ea / SAVE 24%
18259 234
Gas Line Anti-Freeze
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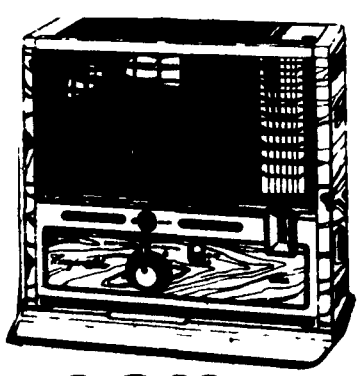

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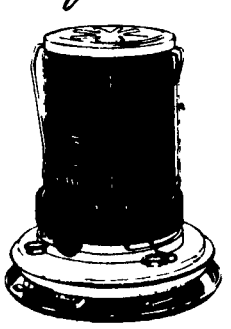

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A report from Mike Pfautz in Japan

KANAGAWA, JAPAN — The average Lancaster County farm may be small compared to Midwestern and Western U.S. standards, but when FFA'er Mike Pfautz got to Japan he thought his family's farm at Stevens was in the wide open spaces.

"I've been staying with the Yasuyuki Kayama family and they farm one and a quarter acres," reports Pfautz.

"That's the size of farms in this area of Japan and the national average is only about two acres."

The family raises three vegetable crops per year on their postage stamp-sized farm and Pfautz has been deeply involved in the operation the past couple of months.

"September was fall planting season and I helped to transplant broccoli and cabbage plants," Pfautz said.

"Our other fall crop is radishes and all of the planting work is done by hand with the exception of the plowing with a small tractor and rototiller.

"One of my jobs was helping to apply the fertilizer and lime by hand. Not much fun on a windy day."

The former Eastern Regional State Vice President explains that as the first crop gets closer to harvest, a second batch of smaller plants is placed between the mature plants. Thus, when the first crop is harvested, the second is well established. After the second crop, the soil is reworked and the third crop – watermelons – is planted.

Pfautz has acquired a greater appreciation of his accustomed mechanization back home after helping with the hand operations of transplanting, fertilizing and liming, spraying for insects and thinning radishes.

As far as eating the fruits of his farm labors in Japan, Pfautz said his host mother bows to his western ways at times and cooks him American-style food when the family eats the more traditional Japanese cuisine.

In addition to visiting some of the area's tourist attraction, Pfautz also attended the National Future Farmers of Japan convention.

"I though it was interesting that both the FFA and FFJ conventions were held at the same time and both in a K.C.," he said.

"The three-day FFJ convention was held in Kureme City and I got to travel there in the bullet train at 140 mph."

On the first day of the convention was check-in, with contests and delegate meetings the second day and the only general session on the third day.

Mike Pfautz eating rice with chopsticks.

"The have 12 contests, such as dairy and livestock judging and public speaking, and they are held at five separate ag high schools," Pfautz explained.

"We were impressed with how the contests were held and the elimination of any possible cheating."

"At the five-hour general session on the last day the final items on the agenda were announcement of the contest winners and the new national president,

"We were really treated like VIP's and had front row seats for everything."

Following the convention, Pfautz had the opportunity to visit some other farms.

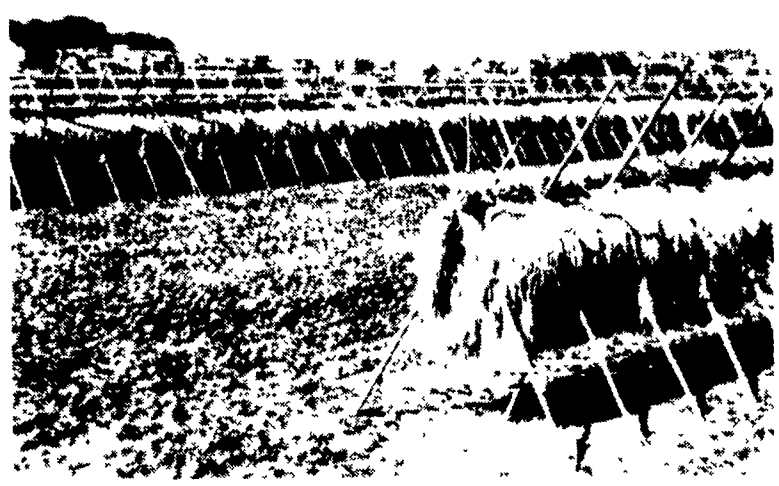
Hailing from a hog farm, he was impressed with the modern hog operations he saw.

But the dairy and poultry operations are well behind those in the U.S., he said.

"It has made me real proud to realize just how great American agriculture really is," Pfautz says.

Pfautz expects to leave Japan on Wednesday and be back in Lancaster County on Dec. 5

Rototiller is used between cabbage rows on host farm of Mike Pfautz in Japan.

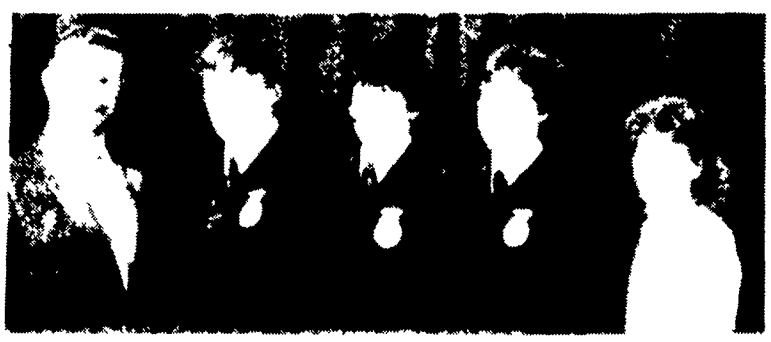


Harvested rice dries on Bamboo posts with neeting to protect against birds.

Pa. poultry judging team

The Pennsylvania poultry judging team is shown with sponsors William Carlin, of Hubbard Farms, Inc. and Mrs. Betty Herr, of Victor F. Weaver, Inc., at left, and coach Robert B. Lauffer, vo-ag teacher at New Holland, at right. Team members include, from left, C. Nelson Horning, Jere Hoover and Jim Weidman. Team earned a bronze medal; while Weidman got a gold, Horning a silver and Hoover a bronze.

Pa. dairy cattle judging team



Members of the Pennsylvania Dairy Cattle Judging Team flanked by Ardith Saverwein, of Associated Milk Producers, Inc., sponsors; and Christine Adams Williams, coach; include Clark Sattazahn, Glenn Stoltzfus and William Lesher.

Cloister team places 7th

EPHRATA – Four members of the Cloister FFA Chapter, Ephrata, competed in the Northern Exposition Dairy Judging Contest Nov. 5-7.

Participating were Larry Gerhart, Jeff Martin, Marvin Zimmerman and Phil Eby. Teams from across the country participated.

The Cloister team placed seventh in the team competition and Martin placed third as an individual.

Jeff Martin

To us, you'll always be a 'star'

BY DICK ANGLESTEIN

SCHAEFFERSTOWN — Perhaps, his mother said it best when she said:

"In this family, you'll always be a star."

Her poignant remarks were among many bestowed last Sunday on ELCO FFA'er Glenn Wenger at a recognition dinner to honor his attainment of Eastern Regional Star Agribusinessman.

Some 250 legislators, community leaders, friends, FFA advisors and chapter members gathered at the Schaefferstown Fire Hall for the surprise recognition dinner.

Among the many mementos showered on the popular blue-jacketed youth was an autographed photo of President and Mrs. Reagan and a personal letter from the President delivered by Congressman Robert Walker.

"In paying tribute to Wenger, who was a candidate for both national office and American Star Agribusinessman a week ago in Kansas City, Walker cited the two main characteristics of agriculture.

"A lot of ag is based on hope and faith," Walker said.

"And hope and faith are also the basis of the nation. These two attributes are what drives a democracy and a free people."

Glenn's brother David turned the tables on him and served as master of ceremonies for the dinner. A couple of years ago, Glenn served in the same capacity for David's recognition upon attaining a similar honor.

Rep. Nick Moehlmann brought a proclamation from the State House of Representatives and Dennis Grumbine, who a number of years ago was an FFA candidate for national office, brought similar honors on behalf of the State Senate.

Kenneth R. Good, Superintendent of the Eastern Lebanon County Schools, cited Wenger's qualities of leadership and personality; while Carlton Tucker, ELCO High School principal, stressed the wide range of accomplishments attained in just 20 years.

FFA leaders who participated in the program included Carolyn Witmer, Grassland Chapter, State FFA president; Todd Fies, of Little Dutchman Chapter, Lebanon County president; and Scott Condran, ELCO Chapter president.

Also taking part were Harvey Smith, Area Vocational Education Consultant, and Gerald L. Strickler, Wenger's FFA advisor at ELCO.

Other family members in the propgram were Larry and Carl I. Wenger, brother and father.

In his response, Glenn Wenger spoke of the many FFA contacts he has made across the state and nation in the past six years. He remarked he hoped that he helped inspire one or two to reach for higher goals.

We're sure he has.

Glenn Wenger, ELCO FFA'er, is shown with his parents, Carl I. and Margaret Wenger.

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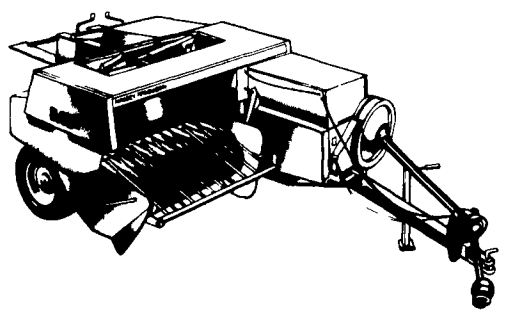

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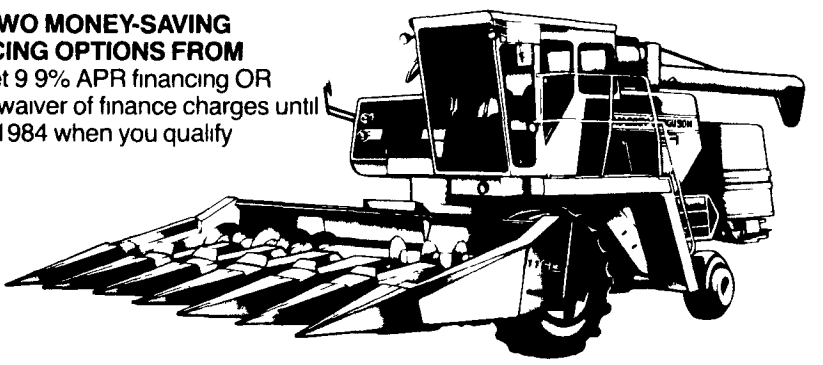

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Lower Dauphin delegates

Members of the Lower Dauphin Chapter delegation to the National FFA Convention include, front row from the left, Brian Hoerner, Dean Zeager, Cindy Baker and Dawn Smith; back row from the left, Richard Savidge, chaperone, Ed Barrick, Rodney Stuber, Tim Bennett and Lee Savidge, advisor.

Forage meeting on Dec. 9

NEWARK, Del. — Forage production is starting to gain the respect it deserves. "There's an art to producing good quality forage, and the same is true for storing and using it to best advantage," says University of Delaware extension agent Dean Belt. "Forages offer so many variations in a livestock producer's program. And with new varieties coming out, plus some of the good ones from the past, today's forage programs can be more flexible than ever."

To provide more information on forages for farmers, the advisory board of the proposed Maryland-Delaware Forage Council will hold a winter forage meeting Friday, Dec. 9, at the Hartly Fire Hall in Hartly, Del. The event is being planned in cooperation with Delaware State College, the universities of Delaware and Maryland, and area agribusiness firms.

Exhibits will open at 9 a.m. The educational program will start at 10 and end at 2:30 p.m. The fire hall will sell a buffet lunch at noon. Advance reservations can be made for $6 through county extension agents in both states. Registration at the door will cost $7.

Topics to be covered will include: nitrate poisoning, safe forage handling, big bale silage, and producing and marketing high quality hay.

According to Belt, another purpose of the meeting is to discuss formal organization of a Maryland-Delaware forage council. "Dr. Edward Jones from Delaware State College and Dr. Lester Vough from the University of Maryland have been particularly active in stimulating interest in the forage area," he says. "They have pulled together interested farmers agribusiness people and other university staff to help develop plans for the organization. Such a council could go far in developing programs to help farmers. The group has already put together two fine summer field day programs."

Belt says the Hartly meeting should provide valuable information for anyone who produces forage. Reservations can be placed through local county extension offices, or by writing: Dean Belt, Room 034 Townsend Hall, University of Delaware, Newark, DE 19717-1303. Make checks payable to the Maryland-Delaware Forage Council.

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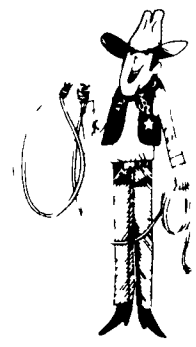

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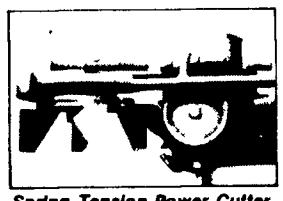

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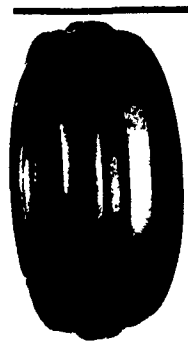

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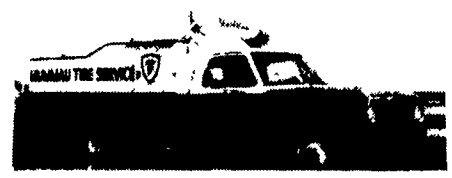

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PFA plans market conference

CAMP H[illegible] — The Pennsylvania Farmers' Association (PFA) is sponsoring a 1984 Marketing Outlook Conference and Golden Harvest Sale of 80 top-quality registered Holsteins, Dec. 7-8 at the Farm Show Complex, Harrisburg.

The conference will feature nationally-recognized commodity experts who will discuss innovations and outlooks in the marketing of dairy products, livestock, poultry, grain, fruits and vegetables. U.S. Secretary of Agriculture John Block will address the conference's dinner banquet, Dec. 7, featuring a menu of innovative food products.

PFA President Keith Eckel, who will welcome an expected 2,000 farmers from Pennsylvania and surrounding states, to the conference, said, "We have assembled a panel of experts from around the country to provide conference goers with some fresh ideas to increase profits in the coming year.

Scheduled to address commodity marketing innovations are: Walter Stemler, board member of Mid-America Dairymen, Inc.,; John Duffy, advertising account supervisor, Batz, Hodgson & Neuwoehner, Inc.; Jeanne Sowa, promotion coordinator, National Live Stock and Meat Board's Beef Industry Council; William Brenneman, grain purchasing manager, South Point Ethanol plant; John Stehr, A.E. Staley Mfg. Co.; Dr. Robert Baker, poultry science department chairman, Cornell University and Al Rosenkranz, manager, Wisconsin Farm Bureau Marketing Assoc.

Presenting market outlooks during the conference will be: Alfred Keating, director, livestock department, American Farm Bureau Federation (AFBF); William Farrington, director, horticulture department, AFBF; John Pedersen, president, Poultry & Egg Fax; Gordon Riehl, general manager, Milk Marketing Inc.,; Jerry Hildebrand, director of research, Clayton Brokerage; and Milton Hefft, of the Agri-Lending Department of the Commonwealth National Bank of Lancaster.

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Tax Planning

Some farmers are going to face a real dilemma this year. Do you sell that PIK corn in 1983 or 1984? There are a raft of other questions as well. Do you buy fertilizer now or wait until 1984? Will it pay to borrow money to buy supplies ahead? Which should you do to save taxes buy fertilizer or equipment? Should you feed ahead or wait? Many of these questions will be answered strictly on the basis of saving taxes. Most in fact will be made on the bais of "maybe I'll save taxes", because you may not even know whether you will have a tax obligation or not.

Tax management is one of your jobs. Taxes are a necessary expense item. They provide you with many of the services you take for granted such as education, roads, laws, agricultural payments and support prices, and even the cost of writing this column (for whatever this is worth). However that does not mean we should pay more than we have to. The year of 1983 was not a big tax change year. The only major change that will have an effect on you as a farmer is the investment credit depreciation reduction.

Tax Estimate

First let's see if you have a tax to pay before answering the questions at the start of this column. Do an estimated tax return for 1983. Take income and expenses for the first 9 months then project out for the full twelve months. Don't forget to include depreciation(use last year's if you're too lazy to figure this year's) and interest (probably have to use last year's). Now take dairy cow and breeding animal (over 1 year old for pigs and sheep and over 2 year old for cattle and horses) sales out of income. Then subtract expenses (including interest and depreciation) from income. This gives you net Schedule F income to that add 40% of the cow and breeding animal you previously deducted. Now add in wages, interest, and any other net income you have. Deduct from that $1000 per dependent and excess itemized deductions. The balance is taxable income. Now let's put that into categories:

A - Under $5000
B - $5000 to $10,000
C - $10,000 to $15,000
D - $15,000 to $30,000
E - over $30,000

The first 3 categories are in rather low tax bracket. (federal income tax of 0 to 1100 dollars). I'd suggest the following for them:

	Category A	B*	C*
Sell PIK Corn	yes	maybe	split
Buy Fertilizer	no	maybe	maybe
Borrow to Buy	no	no	no
Buy Feed	no	to Mar.	to Apr.

*B and C categories may qualify for earned income credits and special provision tax credits from Pa. You may use PIK corn sales and feed and fertilizer purchases to qualify for those credits.

The last 2 categories are more apt to benefit from year end adjustments. For farmers in those two categories I would caution putting more income into 1983 unless 1983's projected income is well below 1982's or you predict a high 1984 income.

	Category D	Category E
Sell PIK Corn	maybe	1984
Buy Fertilizer	yes	yes
Borrow to Buy	maybe	yes
Buy Feed	to Apr.	to Apr

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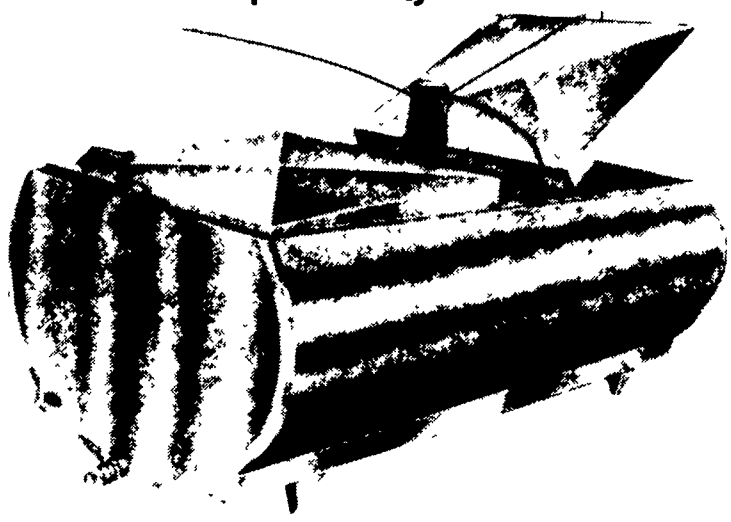

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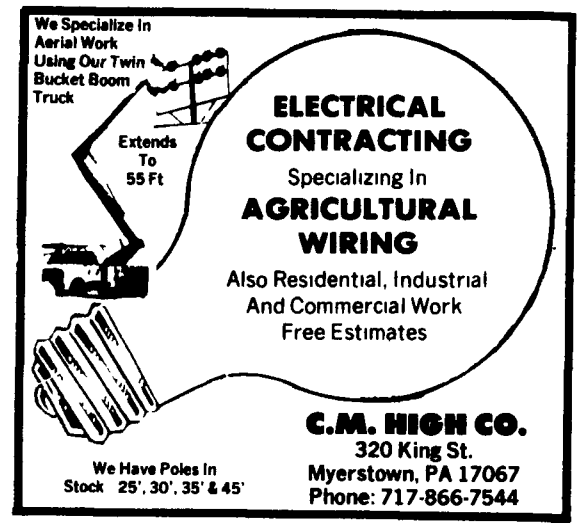

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Check silage for nitrates

COLLEGE PARK, Md. — As in most previous drought years, livestock farmers had lots of warning this past summer about potential dangers from nitrate toxicity in feedstuffs.

The season for greatest potential danger — from drought-stricken green-chop cornstalks, sorghum or sudangrass — is past. But beef cattle and sheep producers should still exercise caution regarding unopened silos containing drought-stricken forage, says E. Kim Cassel, Extension animal sciences nutrition specialist at the University of Maryland.

Even though 20 to 60 percent of the nitrates may have been fermented off by now, Cassel points out that some danger to animal health may still exist - especially if your forage crop was fertilized heavily, or chopped for the silo shortly after a rain.

Before you start feeding from such a silo, have its contents tested for nitrate levels. And, while you're at it, why not get a complete feed analysis done?

Dr. Cassel notes that a nitrate test will give an indication of silage safety levels in one of the following categories:

— Safe for all livestock under any conditions;

— Safe for nonpregnant animals;

— Safe if limited to 50 percent of total dry matter in the ration;

— Safe for nonpregnant animals if limited to 35 or 40 percent of total dry matter in the feed ration;

— Safe for nonpregnant animals if limited to 25 percent of total dry matter;

— Potentially toxic; do not feed to any animals.

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Don Beidler, salesman for C.B. Hoober & Son, Inc., Intercourse, bagged this eight-point trophy buck on November 14 in New Castle County, Del. The buck weighed 207 lbs. field dressed.

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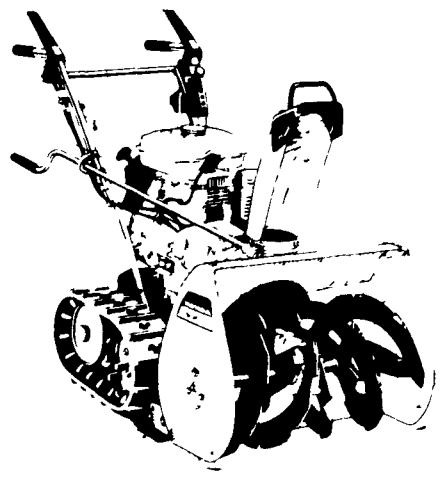

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Dairy bill passes Congress, awaits Reagan's approval

WASHINGTON — A House-Senate Conference Committee last week approved a compromise to H.R. 3385, a bill making modifications in the Federal dairy and tobacco programs. The modified bill passed both the House and Senate by a voice vote late last week. The bill will soon be presented to President Reagan, he will have 10 days to sign or veto it.

The dairy provisions of the bill establish a 15-month paid diversion program to reduce milk production. It also lowers the milk support price and requires a 50 cent per hundredweight reduction from the price received by producers for all milk sold to pay for the cost of the diversion program.

The conference committee accepted and expanded on the amendment offered by Senator Roger Jepsen of Iowa on the Senate floor. The amendment provides some protection to beef, pork and poultry producers by requiring the Secretary of Agriculture to provide for the orderly marketing of cull cows.

Specific dairy provisions of the bill include: Price support: The federal support price for manufacturing-grade milk (used in making butter, cheese and nonfat powder) would be reduced, on the first day of the first month following enactment of the bill, from the current level of $13.10 per hundredweight to $12.60.

Paid diversion program: The Agriculture Department would offer dairy producers a chance to participate voluntarily in a 15-month program, effective from Jan. 1, 1984 to March 31, 1985, under which farmers who agree to cut production by between 5 and 30 percent would receive federal diversion payments. The payments would amount to $10 for each hundredweight of milk production that a farmer reduces below his base level, which would be based on 1982 production, or, if the producer chooses, the average production during 1981 and 1982.

Tp prevent evasion of the program, the legislation includes features such as a ban on sales, leases or transfers of dairy cows from farmers participating in the program to any other person beginning November 8, 1983. Participating farmers would not be prohibited from selling cull cows for slaughter, or from selling breeding cattle under certain circumstances, but the legislation also includes several safeguards to soften the impact of that potential extra meat supply on prices for beef cattle, pork and poultry. The bill directs the Secretary of Agriculture to take all feasible steps to minimize the impact of cow marketing on beef, pork and poultry producers. To help the government gauge the potential impact of additional dairy cow marketing, producers enrolling in the program would be required to file a plan estimating how much of their milk cutback would be achieved by selling off cows for slaughter.

Dairy promotion program: The bill directs the creation of a farmer-financed national program for milk promotion and research. To fund the program, farmers would contribute an assessment amounting to 15 cents for every hundredweight of milk they market. In cases where farmers are already making contributions to local or regional promotion programs, however, they would get credit for these assessments — up to 10 cents per hundredweight — as an offset agains the national assessment.

The new program would be conducted by a National Dairy Promotion and Research Board made up of dairy farmers.

Other dairy features: The Secretary of Agriculture is required to report to Congress by July 1, 1984, on the potential impact of any future action to set a higher national standard for the amount of nonfat solids in fluid milk.

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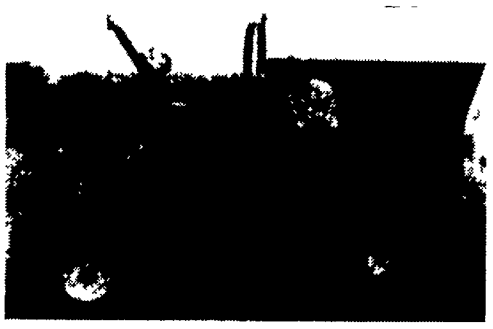

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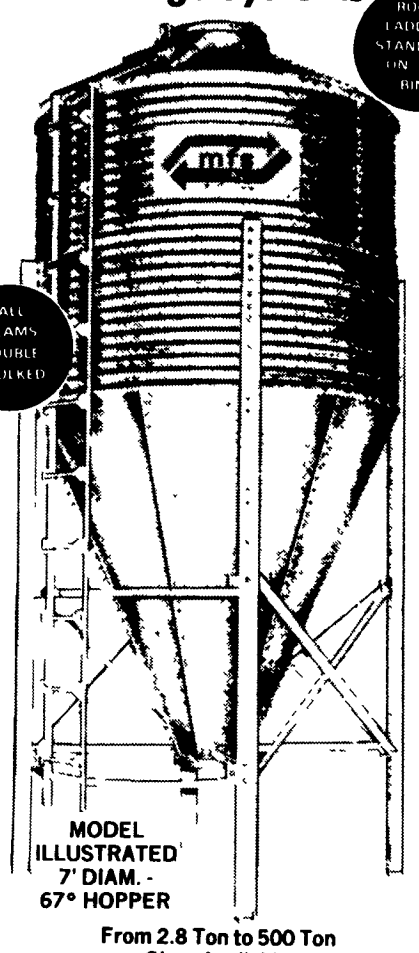

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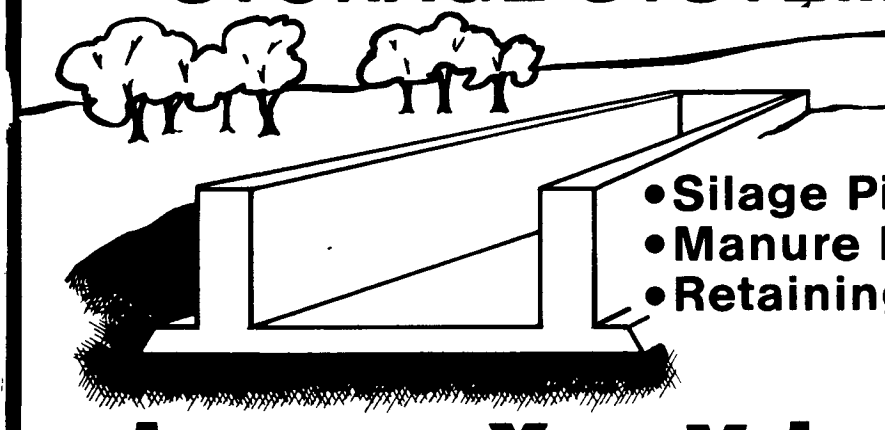

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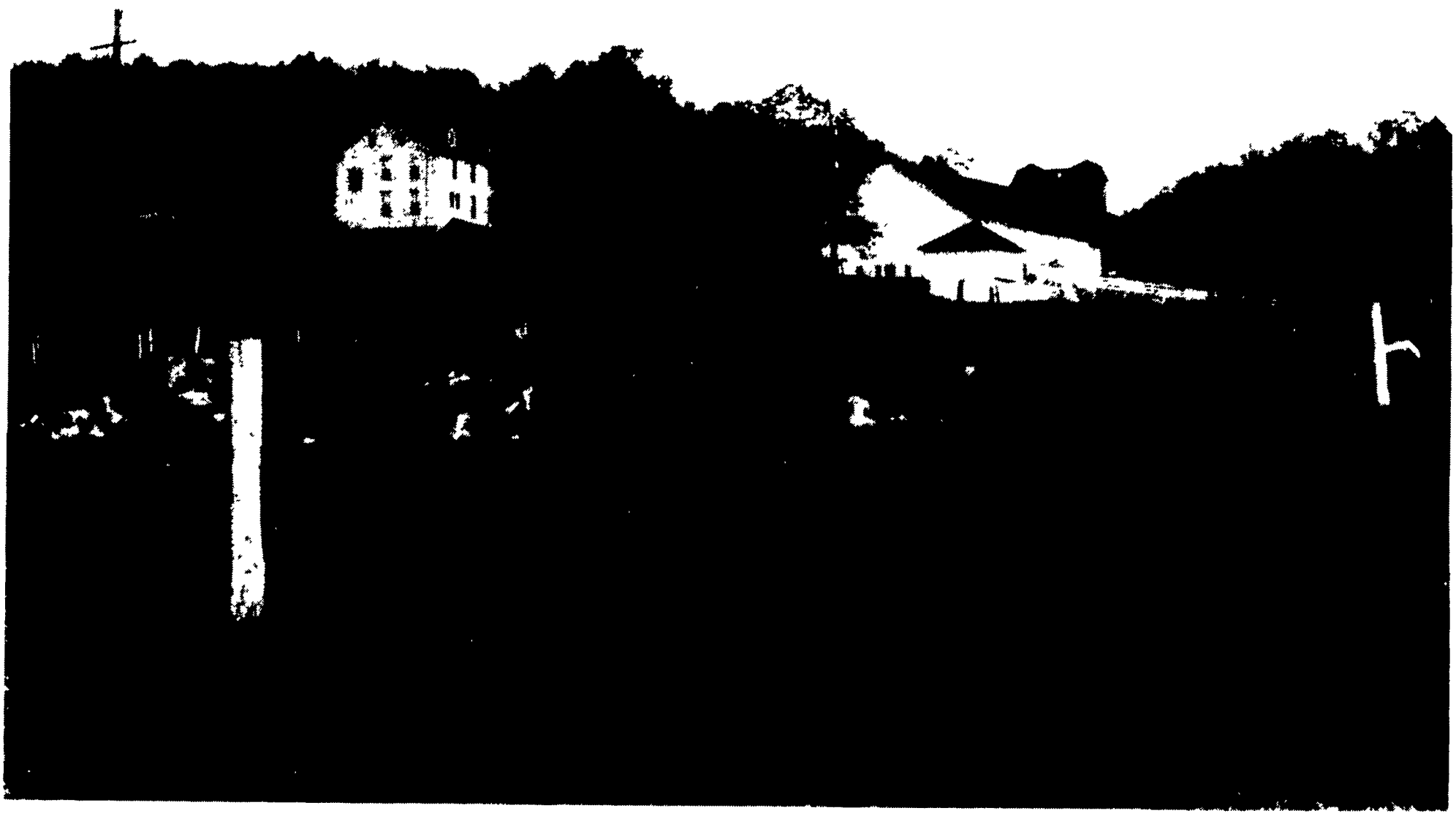

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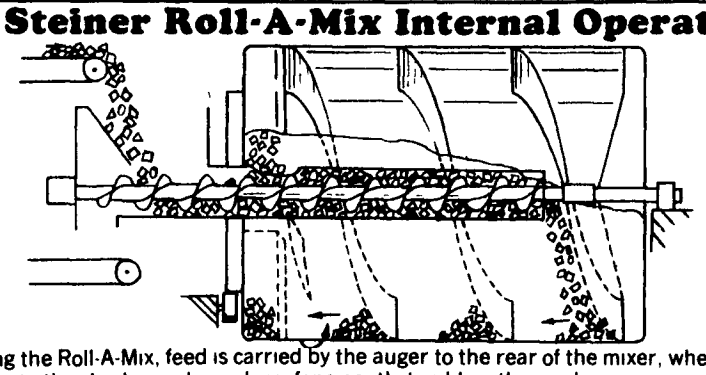
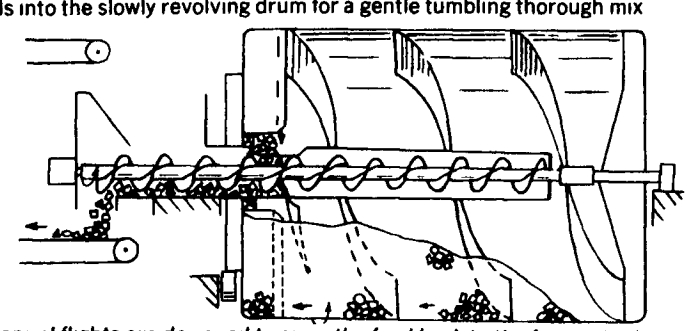
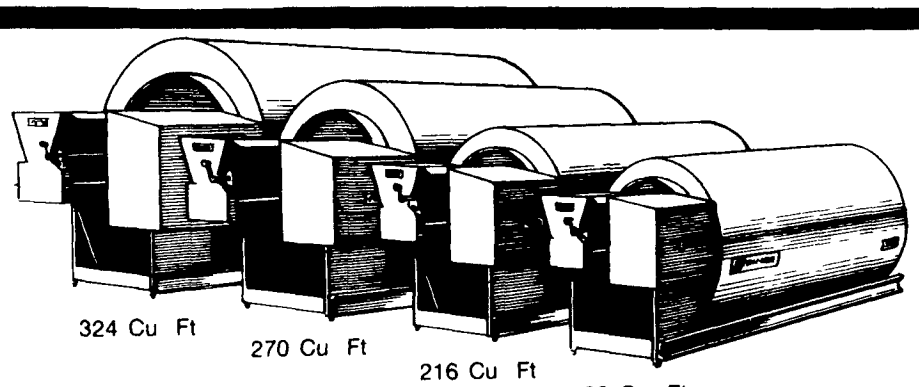


In filling the Roll-A-Mix, feed is carried by the auger to the rear of the mixer, where it falls into the slowly revolving drum for a gentle tumbling thorough mix



The spiral flights are designed to carry the feed back to the front into the reversed auger for discharge into your conveyor



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U.S. ag must be more market oriented

DeKALB, Ill. — Continued support by private industry, segmentation of foreign markets and development of new uses for agricultural products domestically were among the answers offered by an industry-wide forum to the question "How Can We Build and Sustain Demand for U.S. Farm Commodities?"

Representatives of several leading ag companies and farm commodity organizations took part in addressing this issue at a forum held during DeKalb-Pfizer Genetics' 44th anual Communication Days.

Industry panel participants lending their observations on how the American farming community can explore new markets included Gerald Saylor, manager economic research, Deere and Company; John Schnittker, president, Schnittker Associates, and former undersecretary of USDA; John Stevenson, president, National Corn Growers Association; Jeff Gain, executive director, American Soybean Association; and Ed Enriquez, vice president sales and marketing, Lindsay International Sales Corporation.

"If American agriculture is going to prosper in the future, it's going to take a revised demand for our products overseas," said Gerald Saylor of Deere & Company. "And, that demand is going to be extremely critical to getting American incomes – for farmers and the rest of the industry serving those people – back at levels we would like to see."

Private industry has been one of the strong supporters for development of demand in foreign countries. This private aid is essential according to Schnittker. "Spending by firms and associations has been on the average about two and one-half times the spending by the U.S. government. So while the U.S. government has been putting some $80 million into market development over the years, the companies and associations have been putting in close to $200 million. I believe this must continue to expand."

Government "aid" programs designed to stimulate demand and the sale of processed or value-added products met mixed response from the panel members. National Corn Growers President Stevenson commented, "The world economies are so depressed that the best we can do in the corn sector is just offer them the bulk commodities."

Lending his insight on government "aid" programs, Jeff Gain of the American Soybean Association (ASA) said, "We object to unnecessary massive infusions of soybean technology, not only in production, but processing, in areas like Brazil and Argentina. Aid and trade can go hand in hand, and when we have U.S. aid programs, let's do it in areas with an idea of economic self-development and not just establishing 'unnecessary' competition around the world."

Panel participants unanimously agreed that the United States needs to be more market oriented. Saylor of Deere and Company, explained why. "It seems to me that the United States has to become price competitive in world markets. I think the whole price system support in this country is misplaced. What we really want to do with this policy is support incomes, When you support farm prices, you get all the bad features that we've always talked about – you not only reduce consumption of those products but you tend to increase the supplies of those products.

"I would rather see our government institute a program that would focus on farm income insurance, with various levels of support. I think any such program should focus on making the U.S. more market oriented," sums up Saylor.

To successfully sell agricultural commodities in the foreign marketplace, companies must be fully committed to the international markets. "You have to have the ability to understand and mesh with foreign markets and develop or adapt products, prices and approaches to the uniqueness of each foreign market," said Lindsay's Ed Enriquez. "You have to have an in-depth understanding of all the conditions and situations in the targeted export markets."

One of the keys to successful exporting is segmenting and identifying potential markets and possible trade restrictions in those markets. Gain pointed out, "Mexico in the early 1970s was barely perspectival on the horizon as a buyer of soybeans. Today, they're one of our biggest customers. This just didn't happen accidentally. It happened because the American Soybean Association brought people from their government and industries to the U.S. and showed them how to use soybean protein in their taco shells, how to make soybean milk and how to use soybean oil in many ways. And now the Mexican soy market is growing."

The American Soybean Association plans in the near future to look at countries like Pakistan, the Phillippines, South Korea, Japan and other areas of the world to see what restrictions exist against soybean imports. "Our goal remains to have freer and more open trade," said Gain.

The firms represented in the industry panel also realize the need to identify new uses for established domestic products. Gain added, "There are a lot of new uses like the corn sweeteners, for example. We're working on some... new uses of soybean oil to control dust in elevators, fuel for home space heaters and as a carrier or adjuvant for spraying chemicals on our crops."

Delmarva corn/beans session set

SALISBURY, Md. — Robert B. Delano, president of the American Farm Bureau, will be the keynote speaker at this winter's Delmarva Corn and Soybean Conference. The event will take place Feb. 9, 1984, at the Wicomico Youth and Civic Center in Salisbury, Md.

Delano, now serving his second term as president of the national farm organization, is a strong advocate of a market-oriented agriculture and expanding mutually beneficial world trade. He has headed Farm Bureau trade expansion delegations to many countries.

A grain farmer in Richmond County, Va., he spends much of his time testifying before congressional committees and regulatory agencies, and speaking before farm and other groups.

He is a member of President Reagan's agricultural policy advisory committee for trade negotiations, and serves on the president's Commission on Security and Economic Assistance. He was named this year, for the third consecutive time, as one of the nation's "most influential" leaders by U.S. News and World Report magazine.

Robert B. Delano

Theme of Delmarva's 1984 Corn and Soybean Conference will be "More for '84." In addition to Delano's presentation, the program will include talks on sprayers and spraying techniques, livestock manure use, sludge application on farmland, and improving small grain yields.

The conference is being sponsored by the Maryland and Delaware Cooperative Extension services and local agribusiness firms. A trade show will accompany the meeting.

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NFO in N.Y. holds convention

CHADWICKS, N.Y. — The National Farmers Organization held its state convention at the American Legion in Chadwicks, N.Y..

In addition to several resolutions concerning internal organization, eleven general resolutions were passed:

1. The present agricultural crisis is a reflection of inadequate farm prices and NFO continues to support collective bargaining as a tool to attain a fair and just price level.

2. The National Farmers Organization is strongly opposed to high interest rates.

3. The National Farmers Organization is opposed to foreign, conglomerate and absentee investors purchasing agricultural land, because it is proving detrimental to the family farm.

4. Be it resolved that imports meet the same quality standards as domestic products.

5. Governmental records of parity be based on the years of 1911-1914 for true parity.

6. The National Farmers Organization opposes the imports of agricultural products to depress farm prices.

7. The Commodity Credit Corporation (CCC) henceforth pay farmers the same higher rate that is now being paid to elevators for storing grain.

8. Whereas the American dairy farmer is being taxed at the rate of one dollar for every one hundred pounds of milk marketed, be it resolved that all imported dairy products be taxed in like manner, based on milk equivalent.

9. The National Farmers Organization go on record supporting the concept of parity for agriculture and will cooperate with all organizations interested in preserving the family farm.

10. Be it resolved that the National Farmers Organization go on record favoring the development of alternative energy sources.

11. The National Farmers Organization reaffirms its position that farmers and ranchers must price their products by marketing through their own collective bargaining system.

Legislative, as well as dairy and beef commodity reports, were given. Richard Hoffmann, regional director, noted that volume in the milk program had increased by 30 percent in his area. Marketing gains for the year were reviewed, including the initiation of protein premium pricing. Further progress has been made in working together with other dairy organizations in addressing problems common to all dairy farmers. NFO has also been active at several hearings, including opposing the proposed dropping Class I price being considered at Allentown, Pa. hearings and testifying at the hearings on the reorganization of the producer settlement fund.

Rick Avila, Regional Director for New england, reported on growth in his area.

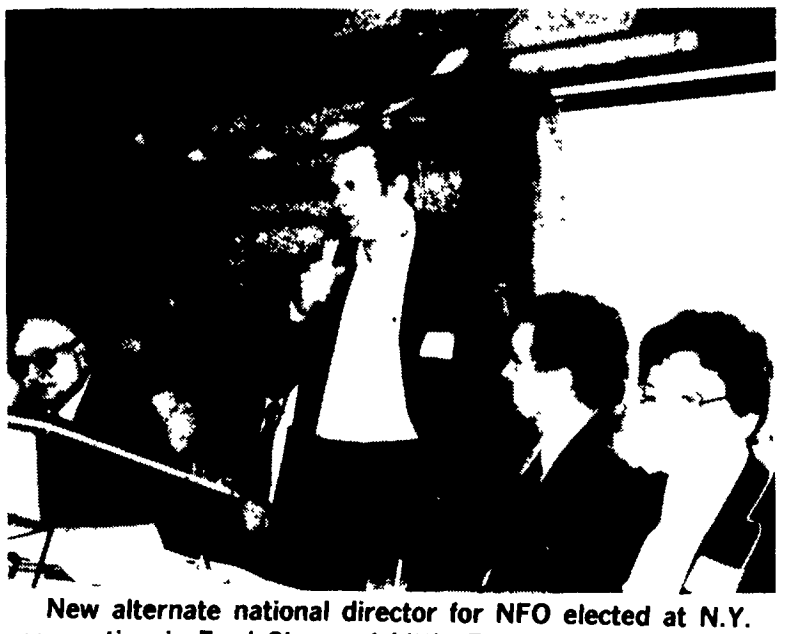
The beef report was given by William Mack, Northeast Area Beef Coordinator. He described how beef is priced off the "yellow sheet." (This publication is privately owned and can be subscribed to for $215 per year). In actuality, only 3.89 percent of the beef carloads shipped nationwide are reported to figure the yellow sheet price. 79 percent - 80 percent of the beef shipped nationally is formula priced and based on the "yellow sheet." "In other words," he said, "we are letting 3.8 percent of the beef set our price."

Using a chart, he showed how farmers tend to hold production while the price is rising, in hopes it will continue to go up and then sell on the down market. The last three years show a distinct downward trend of the peaks. Mack urged farmers to use their production for a better price.

In his legislative report, Al Smith reminded farmers that the answer does not lie in Washington, "They just pass the buck," he noted, but, "we needed to make our voice heard and we did. The testimony given by most organizations was regional in nature - NFO's was national in scope because we are a national organization. We have sent delegations to meet with state leaders and congressional representatives. At best they can only offer stop-gap measures."

After a break for lunch, Glen Utley, National Director from Indiana and grain farmer was the keynote speaker. Utley told farmers, they have a lot to organize for. When he became involved in NFO, there were over 6 million farmers and today, "We number less than 2.5 million." "Has efficiency and getting bigger solved the problem? It takes price and that's all that NFO is about!"

He noted that the basic energy of the world is "not coal, not oil, not electricity." "The basic energy of the world is food!" "Food is the only energy source left that is not under corporate control, but if farmers can't afford to farm it any longer, who will be left in control?"



New alternate national director for NFO elected at N.Y. convention is Fred Shaw, of Little Falls, formerly of York County.

He concluded that farmers should demand justice at the marketplace.

After Utley's speech, elections were held. Richard Hoffmann of Delanson, N.Y. was reelected National Director. The new alternate is Fred Shaw, a dairy farmer from Little Falls, N.Y.

Phosphorus helps antler growth

UNIVERSITY PARK — Lack of phosphorus in the diet may account for small antlers on yearling buck deer, according to experiments at Penn state.

Researchers with Penn State's College of Agriculture found that yearling bucks fed a ration supplmented with phosphorus developed significantly larger antlers than bucks fed a diet that maintained only normal growth and body functions.

"These and other experiments indicate that skeletal growth takes precedence over antler growth in yearling deer when nutrients are limited," declared Robert L. Cowan who retired recently as animal nutritionist at Penn State.

Cowan added that mature bucks, on the other hand, mobilize minerals from their skeletal reserves for antler development.

Only after skeletal requirements are met will surplus nutrients be used for antler growth among yearling bucks, it was noted. Cowan believes the lack of phosphorus in deer browse may be a major factor underlying complaints from hunters about small antlers. He said hunters may not realize that about 80 percent of the bucks killed in Pennsylvania each year are yearlings.

The experiments were carried out at the Penn State Deer Research Facility by Paul A. Reitz, former graduate assistant in animal nutrition.

Bucks fed a diet containing high levels of phosphorus during the summer and fall gained more weight and had bigger antlers with more points than bucks fed low levels of phosphorus. The supplemental phosphorus produced antlers weighing an average of 5¼ ounces. These anglers on yearling bucks averaged 25 inches in length with 5 points.

Yearling bucks lacking supplemental phosphorus grew antlers averaging 3½ ounces. The average length of these antlers was 21 inches with 4 points.

Among yearling bucks fed the supplemental phosphorus, both winter coats and "rubout" of antlers from the velvet stage developed about two weeks ahead of the bucks on less phosphorus.

"Farmers raising livestock on land similar to deer habitat will generally provide mineral supplements," Cowan stated. "Mineral supplements offered to deer would do no harm and could result in improved antlers," he added.

Word of the Penn State deer studies gets around. One farmer in Fulton County wrote to Cowan recently and told of his success in making minerals available to deer. The bucks in his area now have well shaped antlers and the deer are heavier than those shot befor minerals were put out. Previously, the bucks were small with scraggly antlers.

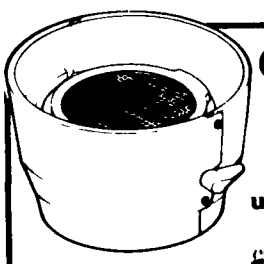
The farmer commented that "friends and neighbors now see the difference. It is too apparent to be just a concidence," he added.

"Milk Night" hits Baltimore with Blast

ATLANTA — School book covers, "Fitness Forever" booklets, and product coupons will be given to fans attending "Milk Night", Friday, December 30, 1983, at 7:35 p.m. when the Baltimore Blast takes on the Pittsburgh Spirit in indoor professional soccer action at the Baltimore Civic Center.

"As an added attraction", according to Fred Butler, president of the Middle Atlantic Division of Dairymen, Inc., sponsor of the event, "at half-time a three-way cow milking contest between Baltimore television sports announcers will be held with Maryland Dairy Princess, Miss Robin Hill of Kennedyville, MD, serving as official judge.

Since milk and milk products provide many of the nutrients soccer players need to get through a long session, 'Milk Night' is a natural promotion event for our division of Dairymen, headquartered in Baltimore, to sponsor", Butler noted.



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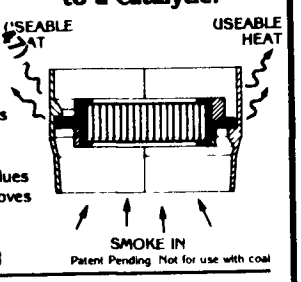

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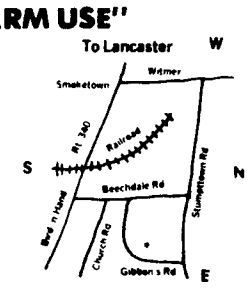

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Protecting Penna.'s natural wonders

PHILADELPHIA — A $480,000 campaign to protect six of Pennsylvania's rarest and most threatened ecosystems was announced recently by The Nature Conservancy, the national land conservation organization.

The Conservancy's Eastern Pennsylvania Chapter is conducting the $480,000 effort to acquire 520 acres at six areas in eastern Pennsylvania. The project, named the Pennsylvania Land Protection Program, also includes start-up funding for a comprehensive statewide inventory of Pennsylvania's rarest and most threatened plants, animals and natural ecological systems.

According to Ralph (Bud)Cook, Director of the Conservancy's Pennsylvania/New Jersey Office, the Pennsylvania Land Protection Program is the Eastern Pennsylvania Chapter's most ambitious fund raising effort to date.

Thus far the two largest contributions to the campaign have come from the McLean Contributionship and the William Penn Foundation. The McLean fund, headquartered in Bryn Mawr and formerly called the Bulletin Contributionship, donated $58,000 for the natural areas inventory and land acquisition. The William Penn Foundation, of Philadelphia, contributed $50,000 to the inventory.

"The McLean Contributionship and William Penn Foundation grants encouraged us to seek additional funds from corporations, individuals, and other foundations," Cook says. "We've received gifts and pledges totalling $385,000, and we're now in the midst of a direct appeal to the 3,700 members of The Nature Conservancy's Eastern Pennsylvania Chapter. With help from our members — and additional corporate and foundation gifts — we expect to attain our $480,000 goal by the December 31 deadline."

Cook listed the following types of ecosystems to benefit from the Pennsylvania Land Protection Program:

Delaware River Intertidal Marsh, Serpentine Barrens, Limestone Fens, Northern Lake and Wetland, Black Spruce/Tamarack Bog, Virgin Northern Hardwood Forest.

In some cases, such as Tannersville Cranberry Bog Preserve (near Stroudsburg, in the Pocono region), the campaign will fund the acquisition of additional land needed for an existing Conservancy preserve. Other examples, such as the Delaware River marshes, represent new undertakings and the establishment of new preserves.

The Conservancy recently signed an agreement to purchase 193 acres of swamps and wooded uplands for inclusion in its Tannersville Cranberry Bog Preserve, which currently is a 150-acre reserve. The additional land will cost $67,000. The Tannersville site has been listed as a National Natural Landmark by the U.S. government and reportedly is the southernmost low-altitude boreal bog on the eastern seaboard.

Cook emphasizes the importance of the statewide natural features inventory, which has been named the Pennsylvania Natural Diversity Inventory.

"This program," he says, "is similar to the 'Natural Heritage Programs' initiated by The Nature Conservancy in 34 other states plus several countries in Latin America and the Caribbean. The inventory is a precise mapping of the state's most endangered wildlife, plants and natural communities. It is computerized and continually updated to help The Nature Conservancy and other conservation groups direct their land acquisition activities toward the places most in need of protection."

Cook expressed the hope that the state government will eventually integrate the Pennsylvania Natural Diversity Inventory into its environmental planning and review functions. He added that this transfer has taken place in about 20 other states thus far.

The Pennsylvania Natural Diversity Inventory is a cooperative venture of The Nature Conservancy, the Western Pennsylvania Conservancy, the Morris Arboretum, and the state's Department of Environmental Resources. It is currently being supported primarily by private charitable contributions, with partial assistance from the state agency.

The chairman of the Pennsylvania Land Protection Program is Robert K. Campbell, President of Pennsylvania Power and Light Company (PP&L), headquartered in Allentown. The regional vice chairmen are William L. McLean, III, for the southeast region, and Dorrance R. Belin for the northeast. McLean is the President of Independent Publications, Inc., of Bryn Mawr, and Belin is a partner in the Scranton law firm of Oliver, Price and Rhodes.

The Nature Conservancy is a national, non-profit organization dedicated to the protection of rare ecosystems and habitat for endangered species of plants and animals. Founded in 1951, the 175,000 member group has protected two million acres of natural lands through approximately 3,200 separate projects. The Conservancy owns and manages some 700 natural areas, which constitute the largest privately owned network of nature preserves in the world. In Pennsylvania The Nature Conservancy has protected over 6,000 acres in 16 acres throughout the state.

The address of The Nature Conservancy's Pennsylvania/New Jersey Office is 1218 Chestnut Street, Room 1002, Philadelphia, Pa. 19107. The telephone number is 215-925-1065.

FARM EQUIPMENT

Wanted - Bulton Johnson harvestor. Give price and condition. Ralph Wischmeyer, 13203 Co. Rd. 8, Ottawa, Ohio 45875 419-523-4145.

JD 4230 with sound guard cab, 18.4x38" tires, very good condition, $12,500, 717-532-7054.

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FARM EQUIPMENT

One 4 row MF soybean or corn planter, 3 pt. hitch, like new, planted only 100 acres, reasonable. 609-697-1870.

4"x40' aluminum irrigation pipe. Call 609-697-1870.

For Sale - International 175A power shift crawler loader. Four in one bucket, asking $9500. Franklin Co. 717-328-5414.

IH 3400 Backhoe Loader. 717-933-5734.

Cat 933G Farmall Cub with belly mower, 717-933-5734.

(2) Oliver 1 row PTO potato diggers on rubber, quantity 1 JD 1 row PTO with engine mount, on steel, wheels, 717-687-0102.

For Sale - 1500 gal. Snyder poly storage tank. New Condition. 717-653-5359 or 717-426-3135.

IRRIGATION EQUIPMENT - 24-6"x3" and 12-5"x3" Tico Valving Stations. Gorman Rupp 64 AG PTO pump. 717-532-9108.

FARM EQUIPMENT

JD 27, 15' flail shreader. Condition like new. 717-425-3698.

Sale 1930 Fordson tractor on steel wheels, running condition, $750, best offer. 215-723-8445.

Early 1930 Farmall F-20, running condition, $400, best offer. 215-723-8445.

Wanted - one row corn head for 55 or 550 IH harvester. 301-346-7310.

1956 International truck with 1500 gallon liquid manure vacuum tank, new tires, new paint on four year old tank. Asking $22,0000, call before noon or after seven evenings, 717-928-9239

For Sale - John Deere 80(1956) fully restored, W.C. Allis Chalmers run but not restored, B.R John Deere, needs work, 717-292-2775.

933-G Caterpillar loader. Excellent condition. 301-392-3160.

AC manure spreader, 140 bu., good condition, $495.00. Perry County.

IH 93 combine, 10' cut, pick-up reel, good condition. 609-586-2869 after 5 pm.

For Sale - JD 4400 combine, 13 ft. grain hd, 444 corn hd., V. Good condition. 717-349-2838.

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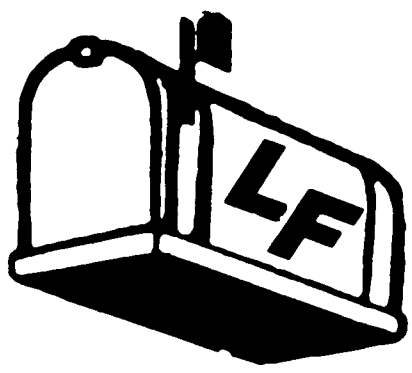

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- Farm Equipment
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- Grain Equipment
- Dairy Equipment
- Livestock Equipment & Supplies
- Cattle
- Horses & Mules
- Sheep & Goats
- Swine
- Artificial Breeding
- Hog Equipment & Supplies
- Poultry & Supplies
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- Plants
- Fruits & Vegetables
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- Services Offered
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FARM EQUIPMENT

For Sale - MF 1100 Diesel. Multi-power, dual valves. $6000. or make offer. Lancaster Co. 215-445-5898.

JD 2010 Crawler Loader $3500.
DENNIS M. MILLER
Rt. 22 Grantville, PA
717-833-1888 anytime
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Ford Warner Swasey, 4000 lb., rough terrain fork lift, $7500.
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Rt. 22 Grantville, PA
717-833-1888 anytime
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FARM EQUIPMENT

FOR SALE
Model 1570 CASE Tractor, 1976 w/1384 hours, Cab, A.C., Radio 30-5-32 10 ply rear tires; 18-4-16A 8 ply front tires; A-1 Condition Price $22,500.00; 201-782-3514.

WANTED 350, 424, 444, Utility International Tractors. (gas) - Phone Area Code 717 (898-8741) or (898-0037).

For Sale - One set 16x9x38" tires; one set 7x50x18 tire tubes and rims like new $500; JD cab from 2130 will fit most models like new $400, 717-738-1327.

Fire-damaged JD 4440 tractor, partially restored - make excellent tractor puller. 717-292-4245 evenings.

1969 Chevy tractor with 40' flat bed trailer, good condition, $5500. Massey Ferguson 40 tractor, $2200. New Idea No. 18 manure spreader, $550. 717-653-4839.

For Sale - Farmall 756 Diesel, 3 pt., dual remotes, new rubber; IH 700 4-16's, auto., reset semi mounted plow $9200 will split; Gehl 99 blower, like new $1500; NI 5 wheel rake, good condition, $350; Kasten forage box on 8 ton chassis very good condition, $1500, 717-624-7585 or 717-624-2429.

For Sale- VH4D Wisconsin engine, good condition and Century alternator 240 and 120 volts 6.4 KW heavy duty. Lanc. Co. evenings 215-445-4661.

JD 4020, Power Shift, wide front, nice condition. 717-532-8363.

For Sale - 1968 JD 4020, diesel, powershift transmission, differential lock, narrow front end, dual hydraulics, in very good condition, can deliver, $6700. 717-532-8601.

1981 NH TR85 combine, 16' platform, hydrostatic, 4 wheel drive, diesel, $37,500. 717-354-8859.

IH 350 hi-utility w/manure loader, 3 pt. and quick hitch, full hyraulics, engine rebuilt, $2100. 215-826-4838.

New Patz 350 manure spreader; Automatic ear corn mill, used very little; used Patz 101 taper pan cattle feeder, 20' convey, 60' feeding. All priced to sell. 717-437-2375.

For Sale - JD 494-A planter, 5' rotary mower, 11'6" Pittsburg disc harrow. 215-968-6993 or 215-968-3878. Ask for Mark.

IHC 1 row 14p corn snapper with extra parts; cunningham crimper; IHC belly mounted corn planter for (C); 2 row potato planter, works; hoppers bad rear mounted sickle bar mower for (C); 1 row potato digger; 4 rolls snow fence; antique stone burr mill; 2 wheel trailer for garden tractor; 4 bus seat benches; 53 Studebaker PU ½ ton, doesn't run; 71 Olds coupe, runs good; 65 New Holland baler with chute; 65 New Holland baler with gas engine thrower; 8 ft. Case disc, pull type with trip clutch; IHC Super A w/touch control, 4 wheel weights, right hand plow, 1 row cultivator, 2 disc hillers, 2 furrow openers, leveling blade, rear chains, 2 section harrow, 2 wheel trailer.
ALL ABOVE EQUIPMENT FOR $8,000.00
PINE GROVE SCHUYLKILL CO.
1-717-345-8367.

JD 2010 Gas Tractor w/Wide Front End and New Paint. $3295 (717)949-6501.

FARM EQUIPMENT

Uni Equipment 729A sheller $1200. 728 4RN $2500. 710 combine 713 head $2000. 760 chopper, 763-3RN, 762-2RW, $2500. 717-229-2346.

For Sale - IH 656 Diesel, gear drive, WFE, 3 pt., good shape and rubber, 717-345-4110.

For Sale - Franklin County, PA - 1972 JD 4620 with 18.4 x 38 duals, side console, no cab; JD 220 17' x 1" centerfold disc with tine harrow, rock flex gangs; 1982 Glenco SS 9 soil saver; JD F350 6 x 16 auto reset plow, furrow hitch, JD 58 loader, complete; 400 gal. Kuker saddle tank sprayer with disc kit for liquid fertilizer, complete 1 year old. 717-273-1872, prefer evenings.

1979 Gleaner L-2 combine with new 15' grain head and 6 row corn heads, $38,000. 201-859-1080.

Winco Generators: PTO's 25KW @ 1700; 35DW @ $2395 - 55 KW @ $3345. Engine Sets 12½ KW @ $2300 - 20KW @ $3200. Phone Penna. 717-282-2342 N.Y. 607-798-8927.

For Sale - NI 323 single row cornpicker, excellent condition, $2800. Also JI 12' transport disc, excellent condition. $137! Berks County, 215-926-2529.

JD 4020 Diesel, wide front, syncro. range transmission, dual hydraulic, also JD 4020 Diesel, power shift, dual hydraulic, both in nice condition, 717-532-7054.

For Sale - Like new windbreaker, will fit JD 2940, 2840, $100. 814-634-0530.

Wanted to buy - Ford 800, in any condition or just rear end. 914-427-5894.

Wanted - Rebuilt carburetor for Case model DC tractor. Leon Ebersol, R.D. 2, Box 291, Narvon, PA 17555.

For Sale - Stoltzfus liquid manure spreader, ground drive with spinner, good condition, $675, Amos Lapp, 3752A Yost Road, Gordonville, PA 17529.

Frank Sale - 1410 Case tractor, 80 HP, 1500 hours, good condition, $8500, 215-683-3094.

Wanted - JD 350 bulldozer with blade and winch, will consider older machine in need of repair, must be reasonably priced, 814-781-6929.

For Sale - Small flock healthy ewes with proven record. Exposed to Registered Suffolk ram. Flock reduction. Bucks County. Call 215-723-7162.

3 calf feeders. Steel wheel manure spreader free. 717-545-9351 evenings.

One 860 Swartz mobile mixer, 300 cubic feet capacity, $8900. One Uebler 780 weigh mix cart, 30 bu. capacity, $2650. Call 717-792-2674 or 717-566-6243.

Wanted - Artsway grinder mixer with scales or scales alone for International 1250 grinder. For Sale - 12 KW Winpower alternator. Adams County. 717-624-8561.

8600 Ford w/Cab, Dual Power, 2700 Hrs., Very Good Condition (717)949-6501.

1700 Ford Tractor 4 WD w/Loader, Very Good Shape, Only 520 Hrs. (717)949-6501.

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680 CK Case Backhoe Loader Tractor, Very Good Shape. $10,500 (717)949-6501.

FARM EQUIPMENT

JD 2060 Metric moldboard plow, 5 bottom, Busterbar. Bush Hog 3 pt. 7 shank 2 bar chisel plow. Save big bucks. Call evenings, Sheaffer 301-758-1497.

Snowplow, 8' power reverse, made by Frink, suitable for four wheel drive pickup, small truck or tractor, $1200. Evenings, Sheaffer 301-758-1497.

6000 Ford Commander. Needs motor work, everything else in very good condition. Priced to sell. 609-697-1870.

Mounted plows and mower for John Deere MT Tractor. Donald Speck, RD#1, Box 175, Huntingdon, Pa. 16652 814-627-1277

For Sale - JD Model 93 Backhoe attachment. Fits JD track or rubber tire machine $2500. Lehigh Co. 215-965-9719.

FARM EQUIPMENT

For Sale - Irrigation System 1000' 6" pipe, 700' 4" pipe, 12 sprinklers and necessary fittings, 4" PTO pump, asking $6500 or best offer. Also 1 pair portable scales, used to weigh any loaded vehicle, weighs each axle at a time, capacity 40,000 lbs. per axle, asking $950 or best offer. JD 4400 combine w/4 row wide corn head and 13' platform, diesel engine, excellent condition, $15,500. 717-273-5231 or 273-6748.

For Sale - 1000 gallon air tank, $500, 717-935-2056.

15,000 watt Generac PTO generator. 717-687-6035.

For Sale - NI 323 picker, NH 467 7' haybine, Oliver 8' transport disc, David Brown 1200, Farmall Super H w/wide front. 215-562-4464.

FARM EQUIPMENT

For Sale - 1980 AC gleaner, L2 corn plus, 400 hrs. on separator, 6 row narrow corn and 15' grain head, excell. cond., covered storage, $59,000, Warren Co., 201-479-4917.

Wanted - Caterpillar blade and hydraulic setup for 7UD4. 814-793-4293.

JD 3010 diesel. 814-793-4293.

JD 720 diesel, wfe, 3 pt. 814-793-4293.

David Brown 1200 Diesel w/loader, 814-793-4293.

IH 856 wide front, 3 pt., original paint, 814-793-4293.

For Sale - JD 4010 diesel, wide front end, overhauled w/4020, sleeve and piston kit and 4020 ejection pump, in good condition, $5500 can deliver. 717-532-8601.

Wanted - International mower, side mount 110 or 115. Charles M. Gardner, R.D. 1, Muncy, PA 17756. 717-458-5333.

Lundell wafer machine, never used, makes 2"x2" alfalfa wafers, pull type with self-contained power unit, 703-434-1296 or 434-0794.

FARM EQUIPMENT

Hillside 6600 hydrostatic combine in excellent condition, $20,000. Larry Stalter "The Combine Man" 219-862-2151.

JD 4230 4 post roll guard, dual hyd., 2000 hours, 814-793-4293.

Oliver 1600 diesel, wide front, 3 pt., 814-793-4293.

JD 4010 diesel, wide front, excell. cond., 814-793-4293.

JD 730 diesel, electric start, wide front, 3 pt. hitch, 814-793-4293.

JD 3020 Diesel, wide front, dual hyd., 814-793-4293.

Oliver 1850 diesel, dual hyd., wide front, 814-793-4293.

New Idea 323 corn picker, $2000. 814-674-8119.

For Sale - 1981 TR-75 NH combine lease, 365 hours, 15' floating grain head and 6 row narrow corn head. Excellent condition, negotiable. 215-845-2524.

MF 14 combine w/cab,w/44 corn head and 13' grain head. 630 JD tractor. 301-663-5072.

LANCASTER SILO CO., INC.

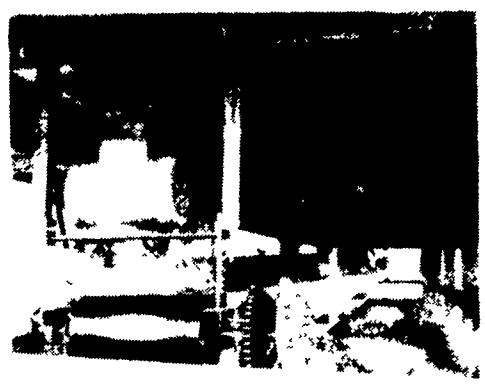
2008 HORSESHOE ROAD - LANCASATER, PA. 17601

WE MANUFACTURE & CONSTRUCT:
"LANCASTER" CONCRETE STAVE SILOS.
ROOF: ALUMINIZED OR COLOR.
CHUTE: ALUMINIZED OR STAVE.
DOORS: HINGED REDWOOD
STEEL RODS: DICROMATE FINISH
PLASTER INTERIOR FINISH
STAVES: WHITE, VIBRATED
DISTRIBUTOR & FILL PIPE

WE MANUFACTURE, INSTALL & SERVICE:
"LANCASTER" BELT FEEDER UNITS
"LANCASTER" DOUBLE CHAIN CONVEYORS
"LANCASTER" TAPER-BOARD FEEDERS
"LANCASTER" ROUND HAY FEEDERS
"LANCASTER" WATER BOWLS W/FLOAT
"LANCASTER" FIBERGLAS SILAGE CARTS
"LANCASTER" TOBACCO BALE BOXES
"LANCASTER" STEEL GATES W/LATCH

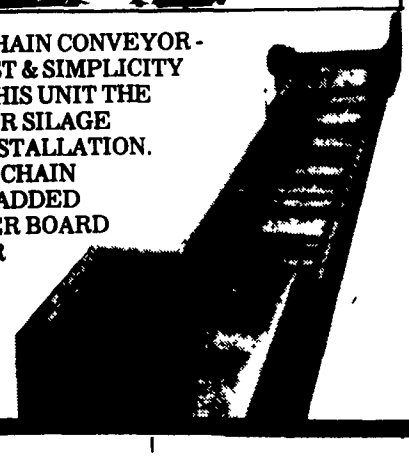
"SUPREME" RING-DRIVE UNLOADERS W/28" STAINLESS STEEL BLOWER - 14' - 24'
"VAN DALE" MAGNUM UNLOADERS W/27" BLOWER - SURFACE DRIVE - 12' - 30'
RECONDITIONED & USED UNLOADERS - ALL BRANDS & SIZES PARTS IN STOCK

"LANCASTER" BELT BUNK FEEDER
IF YOU WANT A CATTLE FEEDER THAT IS:
DEPENDABLE-QUIET-SIMPLE-LOW COST
NO FEED SEPARATION & WILL NOT RUST -
THIS IS THE ONE!

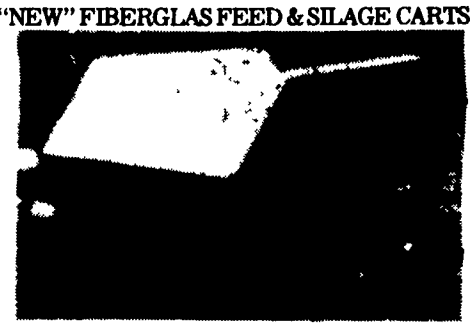


TAPER BOARD FEEDER -
WOOD CONSTRUCTION - #55 or #62 CHAIN
LOW HORSEPOWER -
EASY INSTALLATION

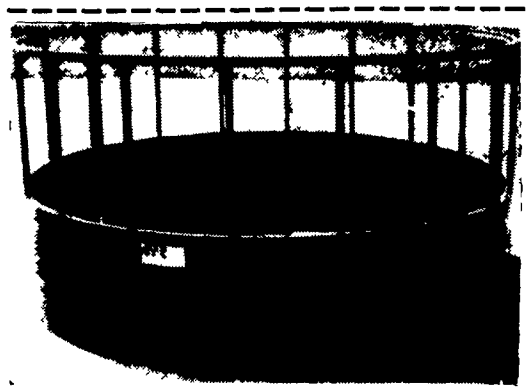
WOOD CHAIN CONVEYOR -
LOW COST & SIMPLICITY
MAKE THIS UNIT THE
BEST FOR SILAGE
EASY INSTALLATION.
#55 or #62 CHAIN
CAN BE ADDED
TO TAPER BOARD
FEEDER



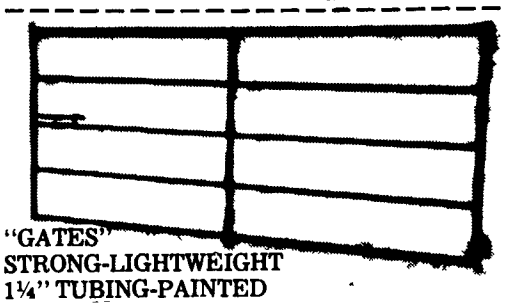
"NEW" FIBERGLAS FEED & SILAGE CARTS



15 Bu. Feed Cart (above) $220.00
15 Bu. Feed Cart w/Lid $240.00
30 Bu. Silage Cart $280.00



ROUND HAY RACKS - 2 PIECE
18 Openings - Can use for Regular or Large Bale $149.00



"GATES"
STRONG-LIGHTWEIGHT
1¼" TUBING-PAINTED
Gates w/Latch & Hinge

IN STOCK
10 ft. ..... ea. $60.00
12 ft. ..... ea. $65.00
14 ft. ..... ea. $70.00
16 ft. ..... ea. $75.00

10% CASH DISCOUNT ON ABOVE ITEMS

FOR QUOTATIONS - CALL 717-299-3721
WAYNE LLOYD - SALES
LARRY HIESTAND - OFFICE

FARM EQUIPMENT

83' JD tractor diesel model 2440, loader, post hole digger, log splitter, AgTech blade, like new. 717-656-8843.

Two bottom plow, Fore cart, horse drawn wagon. 717-656-8843.

JD 4020 power shift, dual hydraulics. 814-793-4293.

IHC 966 w/cab, excellent condition, low hours. 814-793-4293.

Oliver 550 gas wheel loader, $3000.
DENNIS M. MILLER
Rt. 22 Grantville, PA
717-833-1888 anytime
717-469-0937 daily

MF 1080 diesel, wide front, multi-power, dual hydraulics. 814-793-4293.

Minneapolis Moline G900 diesel, original paint, like new. 814-793-4293.

MF 65 diesel, 3 pt. hitch, wide front. 814-793-4293.

JD 4440 power shift, dual wheels and dual hyd., exc. cond., low hours, 814-793-4293.

NH TR-70 combine, 1980, has all options, 15' grain head, corn head, excellent cond., financing, 609-267-5000.

For Sale - JD 4620 Tractor, excellent condition. 717-284-2761.

G-1000 M/M very good condition, Case 800 3 pt. hitch w/PS. 301-833-1847.

For Sale - Rye $4.00 bushel, Also Ford 140 3 bottom 18' toggle trip, high clearance, fully mounted plow. Has hydraulic hillside hitch w/cylinder, $995 firm. Also 6000 gal. tanker trailer. New caps. Road worthy. $1850 or $850 without tires and wheels. Snyder Co. 717-837-0724.

1972 Ashley rubber tired front end loader. Also has mounts for grader, make offer, 215-385-3884.

For Sale - IH 1456 w/cab, duals and PTO, good condition. 717-464-3697.

Crawler Tractor Parts.
- New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
- Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
- Call or write for equipment & parts brochure.

VILSMEIER EQUIPMENT INC.
Route 309
Montgomeryville, PA., 18936
Phone: 215-699-3533

Knight model 500 spreader, in excellent cond., 717-872-9152 daytime, 872-2579 evenings and weekends.

FARM EQUIPMENT

Round baler, NH 852, Vermeer 504H and Gehl 1500; 6 cyl. gas power plant w/hydraulics and 2 speed pulleys. Westmoreland County 412-423-4076.

For Sale - 354 NH grinder mixer, good condition. 77-627-0961.

One 8' Haines potato brusher, $700, one JD 900 ripper, 2 years old, $2800. 215-593-5345.

JD 650 diesel utility tractor, near mount, Wood's mower. Only 50 hours. $5800. 717-665-2556.

STORAGE TRAILERS AND OFFICE TRAILERS for rent, economical, delivered. 301-771-4529.

IH 756 Farmall, good condition; Brillion chisel plow, $7000. Farmall Super C w/cultivators, $1700. 301-877-1658.

For Sale - Martin Scavenger 1533 gallon manure spreader or will trade for conventional web spreader, 717-272-5089, Lebanon, PA.

17' and 13' MF chisel plow 3 pt. hitch; Kewanee 22' Brady field cultivator; MF 246 loader; Webster fertilizer body, 301-778-0935.

For Sale for parts - IH F12 on steel, Porsche Master air-cooled diesel, w/burnt exhaust valve. 717-659-5306.

IH 1456 w/Long axles and duals, excellent condition, solid field power, $8500. 717-786-2534.

For Sale - JD 8200 18-7 grain drill; JD 4440D tractor with cab and quad range; IH 710 automatic plow 5-20; JD 310 disc Conical blades; Brillion 14' transport harrow (folding); NH 845 round baler; 18'-5 ring MFS bin, sweep auger and 10' riser auger; 21'6" auger 2hp motor included; 21'-6" auger no motor. Dauphin Co., 717-896-8766.

For Sale - JD 45 combine 2 row corn head 10' hume reel, grain head, rebuilt motor, new belts, new grain tank. Good shape. Bucks County, Pa. 215-795-2582, evening.

Case 150 combine 10' head, runs good, but needs some work. Mornings 717-993-6220, York Co..

T030 Ferguson dual hydraulics, very good rubber, mechanical, $1950. 3-ton dump trailer 12V pump and tractor, hydraulic hookup, $1850. 717-677-6721.

Farmall 560 gas $2250, Int. 350 with loader $2800; Pickers and 2 row sheller plow 6 btm spring auto-reset $2250; Harrows 3pt. disc NH spreader 9' haybine 12' lime spreader 2, 3, 4, 5, 6 btm. FH 3pt. plows, 814-926-2205 Somerset Co.

FARM EQUIPMENT

Oliver 1950T cab and air, dual hyd., original paint, 814-793-4293.

6600 John Deere Hillside combine, excellent condition, $17,500. 219-862-2151.

USED TRACTOR PARTS, also rebuilt clutches and torques. We ship UPS. Hill-T Farm Sales & Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

FARM EQUIPMENT

Wanted - burned, rolled or fire damaged combines and tractors. Prefer JD, 1970 or newer. Will pay cash. For offer call 215-756-4341.

Pollard 5 Wheel Rake, $450; Case 3B Plow $350; 5' rotary mower (demo) $525; MF 2B 16" Plow $325; All equipment is in good to excellent shape. 717-687-0102 Lancaster Co.

FARM EQUIPMENT

USED PARTS-Combines, Hay tools, Implements. Save 50% or more. Maplewood Implement Sales. 19355 SR47, Maplewood, Ohio 45340. 513-492-3436, 8-5, 6 days.

Oliver 1750 diesel, like new condition. 814-793-4293.

JD 4230 w/JD rollguard cab, quad range, dual outlets, 1100 hours. 814-793-4293.

FARM EQUIPMENT

IH 656 wide front 3 pt. 814-793-4293.

MF 175 diesel, wide front, multi-ower. 814-793-4293.

JD 4320 wide front, 18.4-38 tires, dual remotes. 814-793-4293.

Gehl #100 Mix All, used two days $7000. Gehl #640 forage wagon, never used $4,000. 717-538-2555.

FARM EQUIPMENT

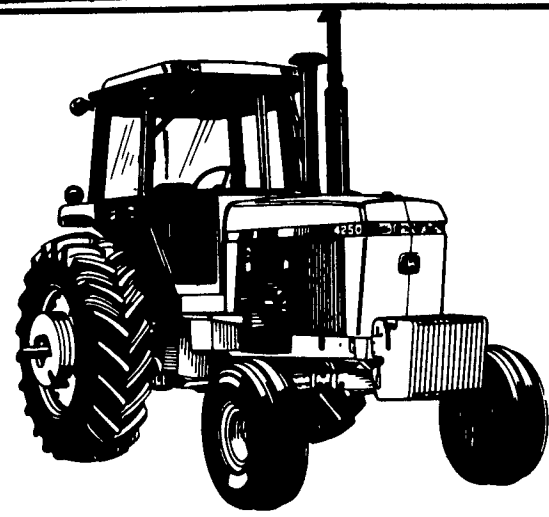
80 D North West Shovel Model - 6 drag line $600. C P Air compressor air track. 300 AHP Welder gas motor. 301-264-4847.

Log splitter for sale, barn elevator for hay. 717-658-8425.

John Deere 10' offset disc $2200, Balto. Co., 301-592-6485, call after 6 PM.

TRACTOR EXTRAVAGANZA

Special reduced prices on all John Deere models in stock. Good variety available with many features. Quick delivery.



Only one left in stock Call for our special price today before it is gone!!

40 SERIES LEFTOVER CLEARANCE SALE

Model 4440 powershift, sound guard body with air, duals available. These tractors must go. Waiver of finance till May 1984.

This is a used equipment clearance - we need to generate cash!

This Week's Used Equipment Specials

JD 2520 gas, wide front, repainted, extensive repairs made **$5,500**

1979 6650 Fox self-propelled harvester w/rear wheel drive, heater, 3 row corn head & hay pickup **$26,000** no trade

IMPLEMENTS

Tractors
- JD 4020 diesel, wide front, power shift
- JD 4630 tractor, cab, air, quad range trans.
- JD 8640 tractor, repossessed, low hrs., cab, air
- JD 4230 tractor, quad range trans. w/Sound Gard body
- JD 4230 tractor, quad range w/rollguard
- JD 620 gas, transmission has been overhauled, ready for the field, good rubber
- JD 2520 w/WFE, gas, side console

Used Hay Equipment
- 479 NH haybine
- PT 10 Hesston mower conditioner
- 1209 JD mower conditioner
- 24T JD baler w/model 30 ejector

Other Implements
- 7000 6 row JD planter, liquid or dry fert
- 1240 4 row JD planter, dry fert.
- 1440 4 row JD planter, dry fert.

Combines
- JD 6620 sidehill combine, 1981, w/643 corn head, & 215 flex platform, exc. cond.
- JD 6620 combine w/643 corn head and 200 series flex platform, power rear wheel drive repossessed, exc. condition
- JD 6620 combine w/643 corn head and 200 series flex platform, repossessed, exc. condition
- JD 4400 combine w/443 corn head and 13' platform
- AC L2 combine w/6 row corn head and 15' flex platform
- 1981 JD 7720 combine w/643 corn head & 215 flex platform, 4 WD, only 850 hrs
- JD 7700 w/643 corn head, 216 platform
- JD 443 corn head
- JD 95 combine, engine completely overhauled w/4 row wide corn head & 13' platform

PARTS FOR NEW HOLLAND HAY EQUIPMENT SEASON END CLEARANCE SALE

Receive 20% discount on all knives For Sperry-New Holland haybines Models 479, 489, 495 & 1495

Discounts will also apply to guards & knife head bushings

DEERE'S COMMITMENT TO YOU

At John Deere, your new machine buy has a solid backing of parts, service, and good trade-in value

BUY NOW... PAY NO FINANCE CHARGES ON THESE MACHINES UNTIL SPRING 1984

OXFORD GREENLINE, INC.

Hours: 7:30 AM - 5:00 PM thru Fri.
7:30 AM - 12:00 PM Sat.

RD 1, Oxford, PA
215-932-2753
215-932-2754

PAGE

John Deere design, dependability and dealers make the difference

TRACTORS FOR SALE

Farmall 656 gas, 2 pt. and NF, good cond., w/rebuilt TA

Farmall 340 Diesel completely rebuilt motor and TA. Wide Front available

Farmall 350 gas, rebuilt TA and 2 pt. hitch

JD H with cultivators and plows, hydraulics, electric start, new paint, good rubber

IH 403 combine with cab, 3 row wide corn head, 13' grain platform with pickup reel $1595 or best offer.

Available For Collectors

1933 JD BO on rubber, runs excellent

JD BW unstyled on rubber, SOLD in fair cond.

1941 JD B fresh paint & good rubber

Rear steel for JDB 12 spline

F12 tractor, good cond.

Parts for JD GP

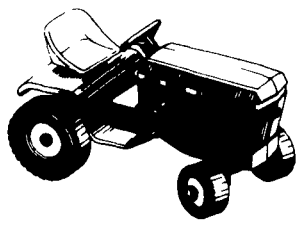
AC Model U, needs restored

717-464-2874

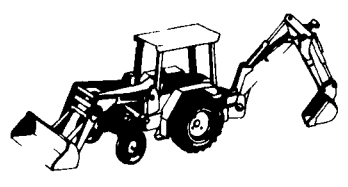
JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE

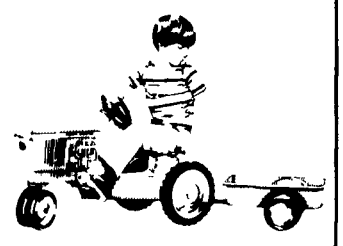
SANTA'S HELPERS See us for great gift ideas from John Deere



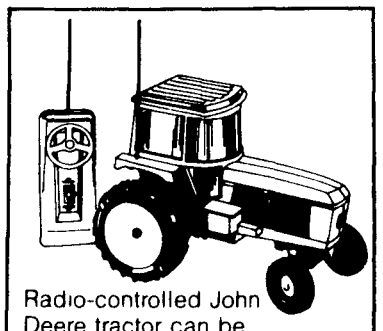
Detailed miniature replica of John Deere lawn and garden tractor



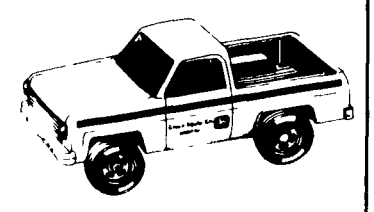
Backhoe loader with real-action steering Operable loader and backhoe



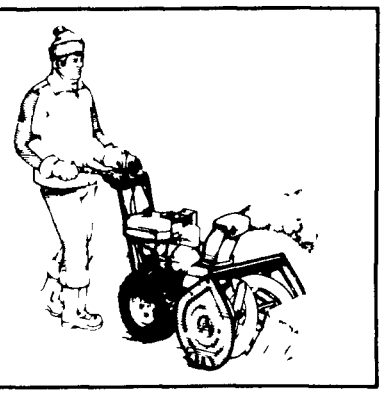
John Deere riding tractor and 2-wheel trailer Built to last



Radio-controlled John Deere tractor can be commanded up to 30 feet away



Rugged steel construction John Deere dealer pickup Deluxe, detailed interior

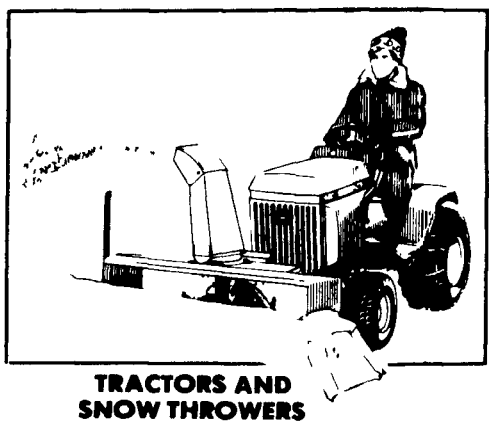


WALK BEHIND SNOW BLOWERS

CHECK OUR SPECIAL TOY PRICES

SNOWMOBILES

CHAIN SAWS



TRACTORS AND SNOW THROWERS

Summer Time BONANZA

Looking for a good used tractor? See our selection and take advantage of finance charge waiver to March 1, 1984

* Availability of John Deere financing subject to approval of credit.

OUR SELECTION OF USED TRACTORS

JD 2940 Dsl, TSS Hi-Lo Trans.
JD 2630 Dsl, Row crop util.
JD 1530 Dsl, w/Sauder Loader
JD 2510 Dsl
JD 730 Dsl
JD "B"

PRICES SLASHED

MF 1085 Dsl
MF 65 Dsl, Row crop, Canopy
MF 65 Dsl, Row crop
MF 65 Dsl, Util. w/Farm Hand ldr.
MF 135 Gas, P/S, 3-pt, Hi-Lo

DEUTZ 6807A Dsl., Cab, MF WD, AM-FM, tape
CASE 430 Gas w/Hyd. Loader

INVENTORY REDUCTION FOR IMMEDIATE SALE PRICES SLASHED UP TO 20% ON USED EQUIPMENT

USED NEW HOLLAND 1895 S.P. FORAGE HARVESTER

w/metal detector,
w/7½' hay pick up
w/4 row "N" row crop
Finance JDFP
No Finance Charges Until Sept. 1, 1984

USED JOHN DEERE 7720 DSL COMBINE

4 yrs. old; 1450 hrs.; cab w/air, heat, AM-FM radio; auto HHC; low shaft mon.; straw spdr.; w/215 flex plat.; 643 corn head, excellent condition.
Finance JDFP
No Finance Charges Until Jan. 1, 1985

USED GRAIN DRILLS

JD 1500 Power Till Seeder, 540 PTO, 3 pt. w/GSA . . . . . priced at $3250
JD FB177B Fert, w/GSA, dbl. power lift . . . . . priced at $1750
JD FB157B Fert; Sng d.o.; GSA Hyd. L. . . . . priced at $1650
JD FB177 Fert; Hyd. L. . . . . $795 reduced to $675
Ontario 16 Sng d.o.; GSA; Hyd. L. . . . . $1595 reduced to $1250
Oliver 13x7 Fert; Sng d.o.; GSA; Hyd. L. . . . . $1250 reduced to $1000
Oliver 16x8 Fert; Sng d.o.; GSA; Hyd. L. . . . . as is $250

NI 206 SPREADERS NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

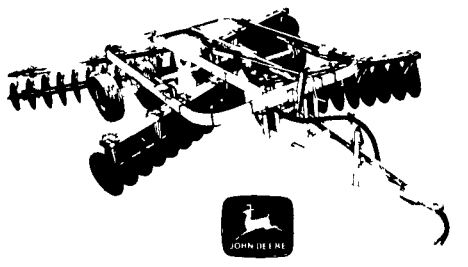
206 New Idea Spreader Available With or Without Steel Wheels With or Without Endgate Att.

NEW JD TILLAGE TOOLS ---IN STOCK---

Disk Harrows
115 - 10'0" - Save $332.30
215 - 11'5" - Save $533.90
215 - 12'10" w/cush gangs - Save $572.90
315 - 12'10" - Save $800.90
235 - 18'6" dura cush center fold - Save $1444.10
1010 field cult 25½' flex, horiz fold - Save $885.30
1610 chisel plow 10' 3-pt. ht. - Save $176.60

MONEY OFF THE TOP TILLAGE DISCOUNTS

John Deere discounts these new tillage tools by 5 to 10 percent and waives finance charge to March 1, 1984



Just as you re getting into the fall/spring tillage season John Deere announces a big dollar saving offer on major tillage tools Depending on the tillage tool you buy (see the chart) your dealer will deduct 5 or 10 percent from the latest base machine price For example the discount on an 18½ foot 235 Disk would save you more than $1 100

On any of these you can save even more by financing with John Deere Finance charge will be waived to March 1 1984 for qualified buyers *

Machine	Discount from Suggested Retail Price
Moldboard Plows	5 percent
Chisel Plows	10 percent
Field Cultivators	10 percent
Disks	10 percent
Mulch Tillers	10 percent
Mulch Finishers	10 percent

* Availability of John Deere financing subject to approval of credit.
* This offer may be reduced in value or withdrawn at any time.

LANDIS BROS., INC.

1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

FARM EQUIPMENT

Farm tires and tubes, fronts, rears and implements, low, low prices. Eddie's Tire Outlet, Willow Street, PA 717-464-5008 or Chambersburg, PH: 717-263-0013. Wilmington, DE 302-655-8500.

Used Farm Tractor Parts by the thousands. Wenger's. 717-866-2135.

Used sawmills for sale. We buy and sell. Leroy Wray, R.D. 1, Douglassville, PA. 19518. 215-385-3884

FARM EQUIPMENT

MC 5' fodder chopper
Farmer corn drag
Little Giant corn drag
McCurdy corn drag
(3) Nicholson Hay Tedders
NH 55 and 56 Hay Rakes
NI 751 Crusher
Lely pull type spin spreader
IHC 100 7' Trailer Mower
AC B125 Power Unit
TOM WHEARY
Lancaster, Pa.
717-687-0102

FARM EQUIPMENT

Chisholm - Ryder snap bean harvesters, all machines complete w/hyd. dump boxes, recond. and painted, 609-769-3183.

JD 60 new rubber, very good condition, $2000. 215-356-5305.

For Sale - TMR feed mixer, electronic scales for exact weighing. Excellent condition. Call for details. 717-758-2136.

FARM EQUIPMENT

For Sale - 1956 Hough 4 wheel loader, model HO22A, $6,800. Myers 500 gallon double blast ag sprayer, mounted on Reo 6x6 army truck, $8,500. 34' Fruehauf self-contained live bottom trailer, $1,900. 2 Smitley range feeders, 4 ton capacity, one good $400. 717-473-3031 8-5 PM 717-473-3852 evenings.

FARM EQUIPMENT

For Sale - Hesston 12' Hydro swing haybine, good cond., 215-944-0791.

For Sale - 325 bu. N.I. Spreader, hyd. tailgate, top beater, pan, new web 1 yr. ago $2950. Snyder Co. 717-374-8750.

3300 JD combine, like new, 427 hours; JD 38 harvester w/pickup. Good condition, 814-926-3669.

FARM EQUIPMENT

Old two cylinder John Deere fly wheels rebuilt with our patented steel draw in hub which has the ability to tighten up on new or worn crank shafts. Also available new manufactured unbreakable fly wheels. Allen Machine Works, RD #7, Jonesboro, Tenn. 37699, 615-753-5738 day or night.

FARM EQUIPMENT

Farmers & Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

Combine, Harvester and Corn Head Parts For Sale off used machines. Wenger's. 717-866-2135.

case

TRACTORS

- Case VAC
- Case 930 Tractor "CK"
- Case 995
- Case 430
- David Brown 990 w Loader
- Oliver 500
- Oliver 1755
- Oliver 1655
- White 2-105 Tractor
- Farmall C w/cult & Loader

LOADERS

- Case 1737 Skid Loader
- Case 1740 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- Dunham Lehr No 22 Loader
- Int 3200 Skid Loader

TILLAGE

- Case 6-Bot Plow, 20"
- Case Disc Harrow, 10'
- Oliver 2 Bot Trailer Plows
- Used Cultipacker

HARVESTING EQUIPMENT

- Case 600 Combine w/3-Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 316 Husker
- NI 315 Sheller
- NI 729A Sheller
- NI 767 Super Chopper
- NI 735 Cornhead
- NI 744N Cornhead
- NI 323 1-Row Corn-picker
- NI 325 2-Row Corn-picker
- NI 324 2-Row Corn-picker
- IH 550 Harvester
- Case 300 Harvester
- NH 717 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT

- NH 479 Windrower
- NH 1002 Stack Wagon
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- Bale Thrower Wagon
- Case Hay Rake
- NI Hay Rake
- NI 456 Round Baler

MISCELLANEOUS

- Ford 4-Row Corn Planter
- IH 400 Corn Planter, 8 Row
- 8 Used Spreaders
- NI 218 Spreader

SPECIAL
• 8 USED WINDROWERS!

Hesston 1090 Windrower
2 Year Warranty
Demonstrator
$4,900!

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

(Combines on our lot)
New JD 4420 fully equipt. 443 C.H. New Holland TR 85 w/grain and 6 row C.H. like new. (SOLD) Int. 1460 axel flo fully eq. w/both heads, New M.F. 860 combine call for price.
1977 JD 4400 Dal. cab and air real nice; 1975 JD 6600D rotary screen, good cond. 1976 Int. 715D, w/air & 13 ft. grain, field ready, never used in corn. 1977 Gleaner L2 hydro w/6 row C.H. 1976 Gleaner FD w/air and both heads; 1976 Gleaner KKS cab & air w/grain, 1976 Int. 915D w/810 grain head $19,900, sale price $18,900. 1979 MF 550D, excel. w/grain and corn heads. 1975- MF 510D hydra. w/grain and 43 corn for $16,800.
MF 410 D. w/cab & Q.T. Grain head.
MF 510D w/cab, Quick Tach grain for $6950, Sale Price $5850. Case 960 w/cab and grain, real nice, $3950.
1968 Gleaner CII diesel w/cab and 4 row C.H. for $5250. JD 7700 D w/grain & corn head.
1969 MF 510D, cab & 2 heads for $9500.
MF 300 w/cab & 2 heads for $2900.
1969 JD 55 sq. back corn special w/cab and 2 heads; Int 715 gas w/cab, 810 grain Int. 810 13 ft. floating cutter bar.
Int. 303 w/cab, 1972 Gleaner F w/grain & 4 row C.H. for $11,900.
Gleaner E w/cab and 2 heads nice and good; Gleaner E III w/cab and 2 heads.
AC 90 pull combine.
NI 702D w/cab w/chopper and 2 row C.H. $6250. 702 w/729 A sheller.
We have 4 N.I. Uni 729A shellers from $1500.
TRACTORS AND EQUIP. JUST PURCHASED (New A.C. 8050 P.S. w/radial tires list 56, cost 44, our price $35,850. New JD 4250 w/front wheel drive. New Case 2590 fully eq. $34,750.00; New Case 2090C. A.P.S. $22,900.00; used Case 2090 CA PS looks like new used Case.1210, (SOLD) JD 4430 w/ R.G. and P.S. Used JD 4640 P.S. fully eq. like new; JD 4630 cab, air P.S. w/front whl. drive; JD 6030 C.A. Duals all original; Farmall 1566 black stripe cab and air real nice, Farmall 1456 w/dual PTO, Int. 884 w/front whl. drive and cab, Int. 784 utility D, Super M, AC 200D, JD 4010D WF nice, JD 620 w/3 pt., Oliver 1850 w/dual wheels, Farmall 706 gas WF and 3 pt., 766 original, 544 D, JD 720D, WF and 3 pt., JD 70D, Int., 504 utility D. Oliver 770 gas, AC WD 45, NI 325 picker w/sheller like new. NI 325 picker w/12 roll bed; N.I. 324 picker w/12 roll bed; Case 1370 C.A. PS - factory duals and full wts. JD 4010 D.W.F. Dual Hydraulic.
NH 258 rake, Oliver 5B hydraulic reset plow.
NI Combines Just Dealt. NI 717 combine w/13 ft. grain; NI 738 4R N CH; NI 10 ft. direct cut head; NI 3 row 30" silage head.
(Tractors and Eq.- Just Received) MF 1135 CA MP real nice, Int 656 ulty. Int 544 utility gas. Farmall 1468 C.A. $8850; Farmall 186 Hydro w/cab enclosure; Int. 674D; NH 357 Grinder-Mixer $3850.
Used JD 66 and 65 Blowers.
White 2-155 w/cab, JD 3020 gas P.S. original, JD L w/Eq., 2 Used NI 323 1 row picker $2150 to $2500. (SOLD) Used Int. 1190 haybine for $3250; Ferg. 6 bar 3 pt. rake like new.
AC 7010 C.A., P.S., 20:8x38 tires, full wts., light package looks like new, Ford 7600 w/dual power. Farmall 966 original for $9800.00. Farmall 504 original w/P.S. and 3 pt. Oliver 880 W.F. fully equip. JD 4010 gas, JD 2840; Farmall 1066 w/cab & air $12,800. Int. 444 utility gas, w/P.S. for $3850. Farmall 1066 for $9950. Farmall 1586 C.A. w/20x38 duals used 1200 hrs. extra nice, Farmall 656 gas. 706 gas, 504 w/W.F. & Loader. JD 730 D, nice. JD 60 w/Loader, Case D.B., 990.
Hay eq. just traded, used NH 320 baler, Rakes, new NH 256, MC 9E Rotary Scythe.
New Holland 1034 Auto-Bale Wagon used 3 yrs. NH 1012 and 1010 bale wagons.
18 ft. hay bale wagon on 8 ton running gear.
JD 3020 Tri D. JD 4020D W.F., D.L. and 2 values w/cab. JD 4020D W.F. P.S. 2640, Farmalls 1586 4 post R.G. w/duals, 1066 w/cab, 886 w/cab, like new; 1206 extra nice, 756D W.F. original, Farmall M.
2 White- 4 whl. drive, 4-150 fully eq. for $12,500; White 4-180 fully eq. for $15,850 (Tractors Coming In) Used JD 4840, fully equipped w/dual whls. real nice, JD 4430 C.A. QR, AC 220 original nice $8950, Farmall 1486 fully eq. like new. Int. 784 w/loader like new.
JUST TRADED- used Int. 3588 2+2 Int 986 w/cab, 886 w/cab, (SOLD) 1066, Farmall M w/NI 319 mtd. picker, Case 1410D. (Harvesters) NH 890 w/3 row 30" C.H. 2 row snapperhead and pickup head. JD 243 snapper head. Forage Wagons.
JD 216 - tandem axle. NI 325 picker w/12 roll bed, JD 237 mtd. picker and sheller.
Just Purchased (new) 2 NI 323 cornpickers at old prices. $5450.00
New NI 324 2 row picker for $9750.
Used Fahr rotary 7 ft. haybine. JD 340 12 ft. offset disc, Glenco SS9 Soil Saver, JD 210 14 ft. Disc, Hesston #30 Stakhand.
CHISEL PLOWS- new Ford 13-ft. 3 pt. w/gauge whls.
HAYBINES- (new) Int. 1190 List $8900. Our Price $6450. only 1 left. New NI 272 cut/ditioner- $3850; Used NH 489-$4000; Used NH 489-$3875; N.H. 461 real nice; N.H. 479. Used JD 1209 $2475; New & used Grim 4 star hay tedders.
Used NI 279 Cut ditioner. (Just Traded) N.I. 702 uni w/729A sheller and 743 3 row Q.A. corn head, real nice and field ready.
New AC 7010 w/20 sp. trans. Used 966-1 owner original, 1972 JD 4020, 3020 S.C. power shift, JD 4020 S.C. w/cab, 1968 JD 4020. MF 1135 w/cab. Farmall 350 w/P.S. and F.H., Farmall 450 gas PS and F.H., Ford 6000 Commander D.
Balers (new), NH 315 w/#75 thrower for $9300. NH 280 w/hydraulic tension and thrower. JD 336 Thrower. New Idea #456 round baler.
TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard.
New John Deeres 4240 cab & air Q.R. for $29,900; New JD 4440 C.A. QR w/radial tires. Six real nice balers, NH 851 Round Baler (nice); JD 500 Round Baler; Hawk Bilt round baler. 2 used NH baler w/throwers #280, 269.
Int. 420 w/thrower.
Corn Heads JD 643, 444, 843, 343, 443, 435N, 313 for 45C, 235, Massey Ferguson 1144 like new, 63, 43, 44, 24, 222, 422, Gleaner L438, F430, L630, F438, K238, F335, F330, M430, K330, Int. 863, 864, 844, 744, 843, 227, NI 4 row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, NH 4 row 38" C.H. New JD 444 $7350 reduced to $6875. JD 443 used 2 seasons; Gleaner A430 used 4 years. 60 corn heads on lot. NI 738 and 728 4 row 30"
New Int. 810 13 ft. grain head.
Used Gleaner L2 grain heads.
3 used MF 63C Corn Heads to pick from. 4 used #810 Int. 13 to 16 ft. reg. and floating heads.
(New Farmalls) 5088 fully eq., 3688 fully eq., $30,000.00.
(Used Farmalls) 986 w/cab, 686 nice. 706 gas. 1206 real nice, used JD 4230 w/R.G. and creeper gear, 1966-4020. We have 7 JD 4020 side console diesels. JD 2640, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged. 1972 JD 4020D, WF. JD 2630D.
[illegible] w/super sheller list $15,390. Special $8,475. Farmall 706 w/310 German D w/cab, JD 2520D, MF 1135 w/R.G. and dual wheels, MF 1105 w/cab, real nice, Int. 656 utility Hydro D. NH 890 2 row snapper head. JD narrow 30" 2 row head, like new.
NI 325 pickup w/12 roll bed used 4 yrs.
TRACTORS JD 4320, Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.
JD 4020 W.F. power shift, good tires; Case 1070 P.S. $6975; JD 4010 Tri D, Farmall 766, Case 930 Standard, New Holland 770 w/2 row 30" C.H. NH 890 Harvester w/2 heads, Deutz 9006.
CULTIVATORS - New Case 3 pt. 8 row Hydro fold. JD 4 row & JD 6 row rear.
CORN PICKERS - New NI 325 w/12 roll for $11,800, used N.I. 325 w/12 roll bed current model. Used (2) N.I. 324 w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N.I. 2 row 30" picker w/ grinder. NI 319 mtd. picker, JD 300 w/2 or 3 row C.H. Used NI 323. (SOLD)
JD 4020 w/58 Loader, JD 4320 w/cab.
Farmall - 1568 w/cab & air used 1000 hrs., 1566 w/cab, 1466 w/cab. 886 w/cab, 800 hrs., like new. 856 w/38" tires, very nice; Farmall 460 Gas w/F.H., Farmall 756 gas, Hi Crop- 656 diesel, 756, Farmall cub w/mowers.
HARVESTERS. Used JD 3960 w/long tongue, used JD 3940, JD 3800 w/2 row C.H. and pickup for $2850, N.H. 890 w/3 row 30"; NH 890 w/2 row; NH 770 w/2 row 30" C.H. Int. 720 - 2 row. Fox 2 row snapper head. NH 770 1 row snapper C.H.N.H. 890-2 new snapper head, new N.H. 890 new corn head used N.H. 770-H824 2 new corn head and pickup head, Fox 2 row 30" Silage Head, JD 1 row snapper head for 38 & 3800. JD 4 row Stalker head, like new.
ALLIS CHALMERS AC 180D w/cab and air, 185 w/turbo. 7040 w/cab, power shift like new, low hrs. 220 original, 210 w/new 20.8x38 tires, AC H3 Crawler w/blade and winch.
2 JD 4 wheel drives 8630 fully eq. w/duals; & 7520 fully eq. w/duals.
JD 4010 LP Gas (nice) $3750.
JD 4030, JD 5020 puller.
FARMALLS: used 1066 w/cab, air, 1 owner-looks like new, 20x38 tires for $19,500, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w.f. and 3 pt., 826 hydro D nice.
New White 2-65 w/front whl. drive and new 1730 loader, list $29,000.
Dealers net $23,700. Our special price $21,850.
New White 2-105 w/cab $22,850.
MASSEY FERGUSON - 2805 Cab, air, 24 spd. w/20:8x38 duals, used 800 hrs. (SOLD) 2 MF 1155 w/C.A. M.P., MF 1130 for $6250. MF 165D.
(Case) New 2090 Cab & Air, power shift. Case 830 W.F. and 3 pt. Case 930D real nice, Case 930 Standard D. real nice, Case D.B. 1200 for $3900. Oliver 1950T w/cab, 2050, 1855 w/20:8 tires, 1850 w/cab, 1855 w/duals, MM Vista 1000 w/cab and loader, MM S670 diesel.
Fords, Jubilee, 8N, 9N, 850.
N.I. 702 Uni tractors w/ combines & 729A and 729 Uni shellsers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads.
IND. EQUIPMENT - Int. 500E crawler loader w/270 hrs., like new. Cat 933 crawler loader.
Int. 2400D L&B, Case 584 B.D. Forklift.
AC 600-21 ft. forklift.
Int. 3400D. L&B Howard 3 pt. backhoe, Long 1199A-3 pt. Backhoe like new $3850.
Bobcat 720 Hydro Skid Loader.
Int. TD 6 dozer w/blade & PTO Ferg 30 w/loader. Int. TD 6 dozer w/blade & PTO Ferg 30 w/loader. Mechanics Specials.
Case 1410 motor. Farmall 706 gas needs trans work, $2900.
MF 1155 CA MP $8850.
PLANTERS- Used Int. #800 6 row fully equipped w/no til and monitor-NICE. JD 7000 six row w/fert. fill, plateless, inst. w/minimum till & monitor, (new) White 5100 4 row planter w/monitor, JD 1460 6 row no-til liquid plateless Inst. - $1975, JD 6 row conservation inst. fert. fill, population monitor and acre fully equipped. Used White 5400 4 row air, w/dry, Inst. no til and monitor for $2000.
Used JD 4 row conservation w/liquid fert. and monitor, Oliver 6 row no til w/dry fert., inst., fert. fill and population monitor JD 444 corn heads from $2450 and up.
Papec Grinder Mixer.
Cabs for JD and Int. Tractors.
Glenco 12 ft. 9" Soil Finisher like new.
Brady 14 ft. pull chisel plow w/Buster bar. Int. #5500-13 ft. chisel plow, Int. 9 ft. Chisel plow, new 9 shank soil saver, used Athens 10 ft. offset disk. Caldwell 7 ft. heavy duty 3 pt. blade.
Pick-up heads for NH 770, 717, Miller 12 ft. offset disk, JD Disks #210 - 12x14 ft. New Westfield grain augers 41 ft. 8" KD=$1395, 56 ft. 8" KD=1995. Used Manure spreaders - (new) N.H. 363 tank spreader for $3675. NI 214 nice, JD 54, Kawannee 10 ft. & 12 ft. roller harrow, good.
Brillion 13 ft. roller harrow, new Taylorway 7 ft. offset Disk. We have new 4,6,8 ton running gears at low, low prices.
2-used Danuser Post Hole Diggers.
Woods 15 ft. hyd. fold rotary cutter.
N.H. 38 Flail choppers.
PLOWS - Int. #720 5x6x18 sp. reset. JD 2500 6x sp. reset, JD 5x hyd. Int. #700 5X auto reset, fully eq., Int. #710 6x18 sp. reset, J.D. 5xseven trip rollover. Oliver 4x16 rollover, JD 3x16 rollover, Chisel Plows. Brady 12 ft. & 10 ft. chisel plow Rockland rock picker. New Johnson loader.
Used JD 230-24 ft. (SOLD) hydraulic fold disk; JD 310-12 ft. disk like new, new 12 ft. 3 pt. field cultivator.
New Landoll 24 ft. hydraulic fold chisel plow.
Straw choppers for combines; JD 4400, 7700, 6600, MF 510, 550.
JD Disks- TWA 12 ft.-14 ft. heavy disk.
Ford 12 ft. Heavy Disk. Used JD 400 15 ft. rotary hoes, Kawanee 22 ft. Wing Disk.
DRILLS- Used JD 8300 21x7 DD w/press wheels.
Int. 510-16x7 D.D. w/Fert. and grass seed.
MF 43-21 SD grain.
JD B 16 DD w/grass seed.
Loaders - Used JD 146, JD 58, Int. 2350, 2250, 2000, MF #246 like new (new) G.B. loader, M.F. loader for S90 3 pt. hitch for 630 and 730 JD tractor. New and Used J.D. Quick Couplers. 2 Used 30.5 x 32 tires.
No Til Attachment for Int. 4 row 400 planter complete.
TRUCKS - 1979 Chev. C85 24 ft. rollback w/61,000 miles, like new, KW truck tractor fully eq. looks like new, Delta 44 ft. combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new.
(New) NH Direct cut head for 770. (New) Kill Bros. gravity bins. New Kill Bros. 6 & 8 & 10 ton running gears. Pick up heads for Int. 550, 650, 350, Fox pickup head, (20) sets of dual wheels all sizes.
JD front & rear weights, IH front and rear weights.

For your needs call:
STITZEL FARM EQ. INC.
East Windsor St. & Krick Lane
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home 215-562-7451

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975 S. Main St. Chambersburg, PA

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Badger OMC AVCO NEW IDEA

USED TRACTORS

IH B
IH 826 w/ROPS
IH 656 Dsl.
IH 2500 Industrial w/Loader
IH 706
IH 200 Farmall
IH 756 Diesel
IH 806 w/new TA
IH 1066 w/cab, 2050 hrs.
IH 504 w/NI Loader
IH Super A
IH 544D w/2000 Loader
IH 574D Tractor w/2000 Loader
JD 620
JD 70 Skid Loader, New Paint
#10 Hydra-Mac Skid Loader
1976 Chevy C60 Truck
Case 830
JD 4020 Tractor
Farmall M
Farmall H

TILLAGE EQUIPMENT

IH 710 4x16 Plow Reset
IH 720 5B 20" Plow
IH 700 5x16 reset Plow
Oliver 3x14 3 pt. Plow
Case 4x16 Reset Plow
JD 5x16 Reset Plow
JD 4x16 Reset Plow
Case 8' Disc Offset
IH 19B Disc
IH 9A 9' Disc
Kewanee 13'6" Wheel Disc
Athens 7' Chisel Plow
Athens #131 13' Disc
Athens #131 11'6" Disc
JD KBA 12' Disc
IH 350 Wheel Disc
IH 53 4 Row Cultivator
Niemeyer Power Harrow
JD 950 12' Packer Mulcher
IH 450 3x16 Plow
IH #55 13' Chisel Plow

IRRIGATION PUMP
6"x5" 125 H.P.
w/Chrysler Motor

GRAIN DRILLS

JD 13x7 Grain Drill
JD 17x7 Grain Drill
Oliver 10x7 Grain Drill
Oliver 17x7 Grain Drill
IH 13x7 Grain Drill
IH 510 13x7 Grain Drill, nice
Tye No-Till 80" 3pt. Drill

HAY EQUIPMENT

IH 47 Baler w/Thrower
IH 440 Baler
IH 37 Baler w/thrower
IH 990 9' Windrower
IH 225 SP Windrower
IH 5000 Windrower
Hesston 320 AP 9' Windrower
Hesston PT10 Windrower
IH 990 7' Windrower
Case 555 Windrower
NH 27 Blower
IH 56 Blower
Fox Blower
NH #46 7' Mower
JD 3 pt. hitch 7' mower
JD 894 Rake

MISCELLANEOUS

3 pt Stack Mover
Jamesway 60' Belt Feeder
KW Loader for IH 284
Boyhill 300 gal. Sprayer
Hesston #10 Stacker
Better Bilt 12' Manure Pump
Demco 500 gal. Sprayer
IH 1250 Grinder-Mixer
IH 1150 Grinder-Mixer
Zimmerman 40' Elevator
Zimmerman 36' Elevator
Mayrath 34' Elevator
Harson 200 gal. sprayer
Badger 24' Silo Unloader
Silo-Matic 24' Silo Unloader
NI 12' Fert. Spreader
Anderson Stone Picker

SPREADERS

NI 224 Manure Spreader
NI 218 Manure Spreader
NI 214 Manure Spreader
NI 213 Manure Spreader
NI 212 Manure Spreader
NI 206 gr. dr. Spreader
Badger 3000 gal. Liq. Tank
Badger 1000 gal. Vac Tank
Hawk Bilt 357 Spreader
Hawk Bilt 205 Spreader
IH 595 Spreader
IH 575 Spreader
Clay 1500 gal. Manure Tank

NEW IDEA UNI EQUIPMENT

NI 708 Uni, less than 800 hrs
767 Super Chopper
768 3RWN Corn Head
NI 702 Dsl.Uni
840 Feeder House
818 Combine
767 Super Chopper
713S Platform
744N 4 Row Corn Head
844W 4 Row Corn Head
770 Ear corn Adaptor
710 Combine
324 Picker w/12 roll bed
NI #330 3RN picker

COMBINES

IH 915 Combine w/6R Corn Head
IH 715 Combine w/4R Corn Head
IH 205 Combine w/13' Platform
IH 843 4 Row N. Corn Head
IH 76 Combine
IH 303 Combine w/13' Platform
Oliver #40 Combine
JD 45 Combine

Coming In...
IH 350 Disc 9' 10"
OMC 650 Stacker
OMC Stack Mover
NI 213 Spreader 3 btr
NI 12A Spreader
IH 2050 Loader w/side pump

CORN PLANTERS

IH 56 4 Row W/N
IH 455 4R and 6R
IH 449 4R
IH 400 4R & 6R W/N
JD 1240 4 Row
Ferguson 2R 3 pt Hitch
Ford 311 4R
White 5400 4R no-till liquid fert, insect boxes, markers, monitors 30"

HARVESTERS

Fox 2200 Harvester w/2 Row Head
Fox 546 Fg Harvester
Fox 249 Snapper Head
Fox 1000 Fg. Harvester
Fox 2RN Belt Corn Head
NH #818 Fg Harvester
IH 555 Fg. Harvester
JD 38 w/2RW Head
JD 38 w/2RN Head

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

NEW EQUIPMENT

TRACTORS

JD 4250 w/SG & PS
JD 2150
JD 2350
JD 2550
JD 2750
JD 4440 w/SG & QR

TILLAGE EQUIPMENT

JD 235 19'11" Disc
JD RM4 Cultivator
JD 1250 3B Plow
JD 1010 Field Cultivator
JD 1610 Chisel Plow
JD 415 Rotary Hoe
Glenco SSP 7B Soil Saver

HAY TOOLS

NH 489 Haybine
NH 58 Thrower
JD 337, 347W Balers
JD 3940 Harvester
NH 38 Crop Chopper
NH 311 & 316 Balers
NH 451 Mower
NH 256 & 258 Rakes
NH 782 Harvester
NH 1037 Bale Wagon

COMBINES & HEADS

JD 215 Flex Platform
JD 643 Corn Head
JD 6620 Combine
JD 213 Flex Platform
JD 444 C. Head
JD 4420 Combine

OTHER EQUIPMENT

JD 148, 158, 175, 245 Loaders
JD 1065, 1075 Wagons
JD 78 Blade
JD 450 Spreader
NH 213, 519, 679, 795 Spreaders
NH 230 Wagon
Century 500 Gal. Sprayer
DeLaval Manure Pump
NH 8 Crop Carrier

PLANTING EQUIP.

JD 7000 Cons. Pltrs. 4R & 6RN
JD 8200 18x7, 21x7 Plain Drills

USED EQUIPMENT

JD 4020 Tractor
IH 966 Tractor
JD 2040 Tractor
NH 791 Manure Spreader
NH 320 Wire Baler w/hydraformatic & quarter turn chute
AC K2 Combine
JD 643 Corn Head
JD 244 Corn Head
JD 7000 6R Planter w/Dry Fert.
NH 770 Fg. Harv.
Fox 3000 Fg. Harv.
Schwartz #860 Mixer Feeder

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Quonset Buildings

AVCO NEW IDEA WHITE FARM EQUIPMENT

SPECIAL
New NI 323 Picker
New NI Manure Spreaders

USED EQUIPMENT

Oliver 1850 Tractor
MM U302 Tractor
Ford #101 3 x 14 Plow (Excell)
White 5100 4R Planter (Excellent)
JD 1250 6R Planter
White 264 12' 2 disc harrow (new)
MM 4B Semi Mtd Plow
White 508 4x18 SAR Plow
Noble 25' Field Cultivator
Hesston 1014 Windrower
MM 3496 Combine, Cab, 2R Head, 12' Grain Head
White 8600 Combine, dsl hydro, air
NI 709 Uni 4WD w/838 husk unit
JD 24T Baler w/thrower
MF 120 Baler w/thrower
1068 Haybuster no-till drill (demo)
AC 6 Row 30" Corn Head, like new
Fox 728 2R Corn Head
Better Bilt 1100 Gal Liquid Spreader
Ford 10 h p Garden Tractor w/42" mower
Ford 7 h p Garden Tractor w/34" mower

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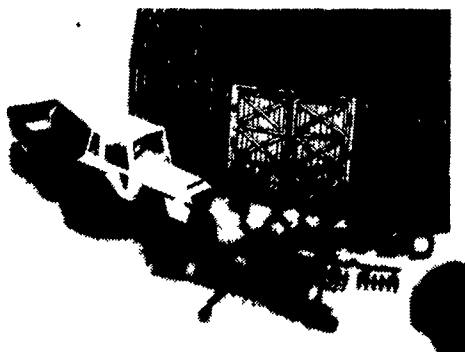
For Your Family's Future Farmer!

Case Deluxe Farm Set. Includes the 11" die cast metal Case Tractor 2390 to pull four-bottom plow, tandem disc, and steel flare box wagon with opening tailgate. Package sets up to become a little red barn.



★ RIDING PEDAL TRACTORS
★ SCALE MODEL TRACTORS

Tricycle Pedal Tractor

NEW CASE 1290 DIESEL TRACTOR

53 HP, 12 Speed Syncro Shift, 7.50x16 Front Tires, 16.9x30 Rear Tires, Single Set of Remotes, 540 PTO, Live PTO
Serial #11056389
(Roll Bar Optional)

Reg. List..... $19,085
DISCOUNT SALE PRICE. **$9,900**

Cash Or Bank Financing

ONE LEFT AT THIS PRICE

Jake, something's going on at BINKLEY & HURST BROS! I hear you can read all about it in the December 10th issue of Lancaster Farming
Luke, I wonder what it's all about?!
I even heard it's a SPECIAL INSERT in the paper!!
Won't this be something - I can hardly wait!!

BINKLEY & HURST BROS., INC.

133 Rothsville Station Rd., Lititz, PA 17543

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case

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FOR SALE

MF 2805 w/duals
JD 3010
(2) MF 1155 w/cab & air
MF 180
MF 550 combine w/1143 corn head
10' Glenco cultivator
MF 321 Corn head
IH 3200 Skid Loader
MF 43 corn head
Case 1290
NH 283 baler

L & M BURKHOLDER
Ephrata, PA.
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JOHN DEERE

JD 4630 Tractor
JD 4430 Tractor w/Roll Guard
JD 4430 Tractor w/Row Crop Fenders
JD 4230 Cab & Air
JD 4030 Tractor
JD 4020 Side Console, WF
JD 4020 WF
JD 4020 side console WFE
JD 2640 Tractor
JD 2640 Tractor w/145 Loader
JD 2440 Tractor
JD 2040 Tractor
JD 950 Tractor w/loader
JD 420 Lawn Tractor
JD H Tractor w/plow & cultv.
Farmall 656 Tractor
Farmall M Tractor
Farmall Cub w/Belly Mtd. Mower
IH 154 Lo-Boy w/mower
JD 7000 6R Consv. Planter w/Liquid Fert.
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JD 1240 4R Plateless Corn Planter
NI 325 2R Corn Picker
JD 3800 Chopper w/2R corn head
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JD 110 Disc
JD BWA Disc
JD B Plane 15 Disc Grain Drill
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JD 950 10' roller Harrow
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JD 4400 Combine w/444 Corn Head & 13' Platform
JD 7700 Combine
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Gleaner A Combine
JD 34 Chopper w/1 Row Corn Head
JD 244 Corn Head
NI 279 Cut/ditioner
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JD 1450 5B Plow
JD 1450 4B Plow
JD F145 5B Plow
JD 145 6B Plow
IH 5B Plow
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NH 318 Manure Spreader
NH Tank Spreader
JD 400 Grinder Mixer
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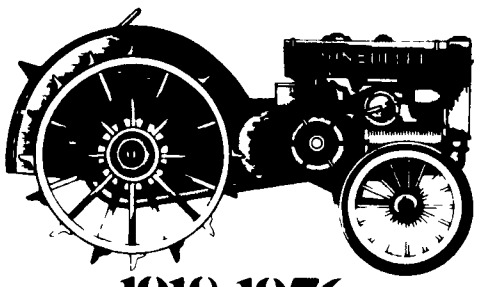

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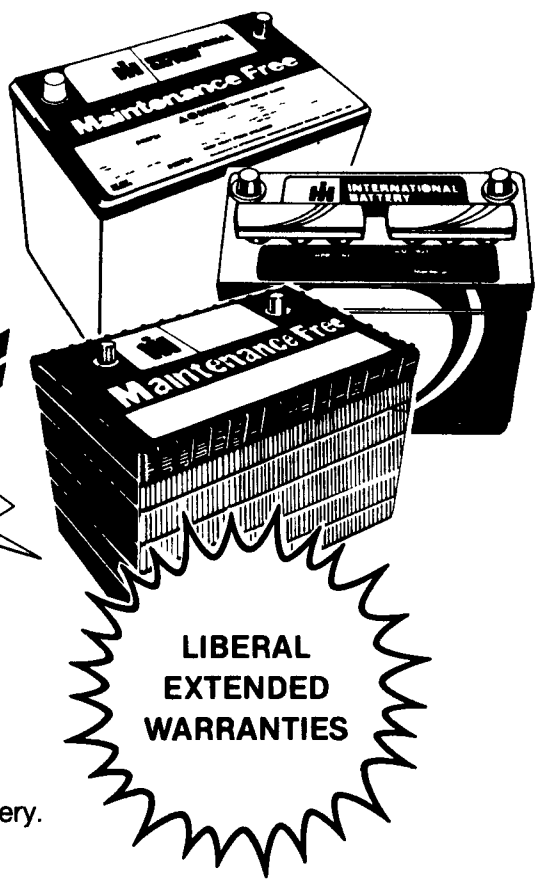

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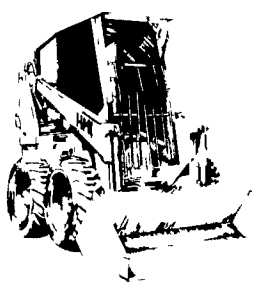

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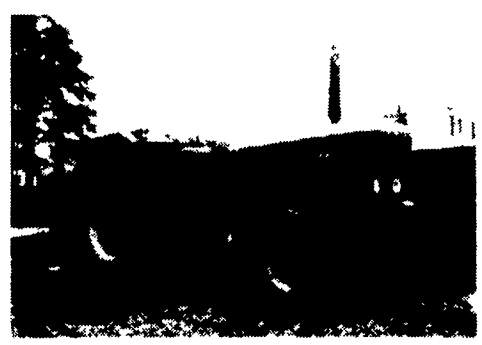

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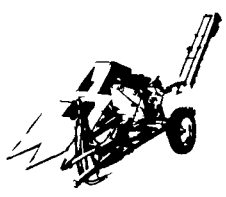

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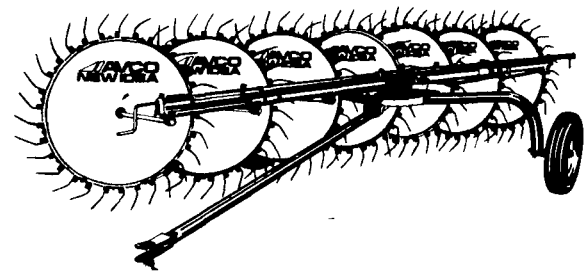

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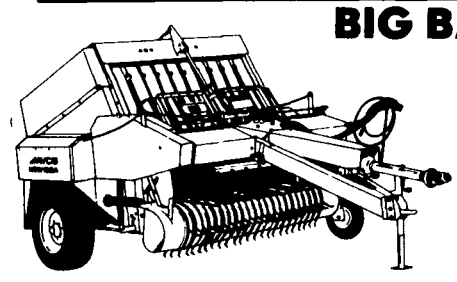

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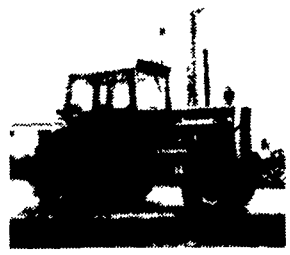

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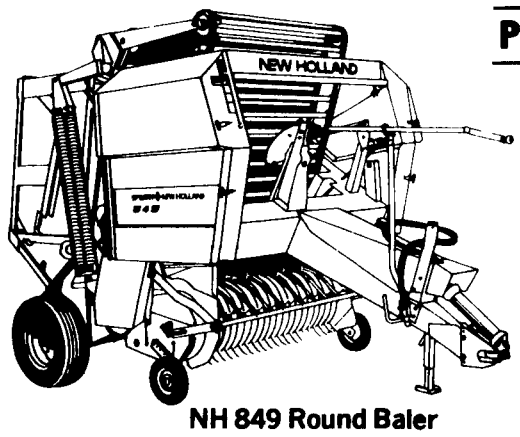

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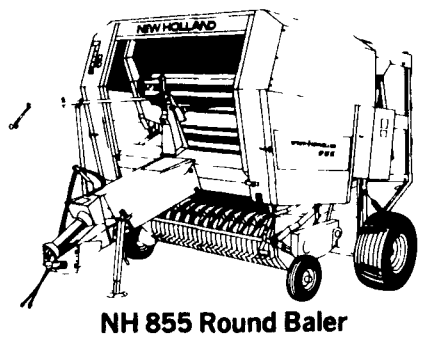
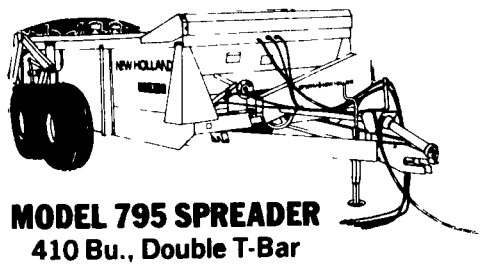
CASH REBATES
All This PLUS WINTER BUYER'S DIVIDEND OF $300

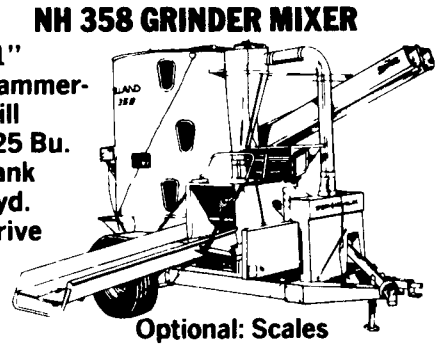


NH 855 Round Baler



MODEL 795 SPREADER
410 Bu., Double T-Bar Chain

NH 358 GRINDER MIXER
- 21" Hammer-mill
- 125 Bu. Tank
- Hyd. Drive



Optional: Scales

WAIVER OF FINANCE ON SPREADERS & GRINDER MIXERS TILL APRIL 1, 1984
OR CASH REBATES OR LOW FINANCING - 4.9%

NH L555
The Ideal Skid Loader For All Size Spreaders

42 HP WATER-COOLED DIESEL

Super Boom -
The Loader with the Extra Reach

THE NEW GLENCOE® SOIL SAVER
With More Trash Clearance

We Specialize In Glencoe® Soil Savers
CHECK WITH US FOR SPECIAL PRICES

A GOOD SELECTION OF USED EQUIPMENT

HAY & FORAGE EQUIPMENT
NH 268 Baler & Thrower
JD 24T Baler & Thrower
Used N.H 1495 S P Haybine w/12 Ft Rolareel Header, Ex. Condition
NH 469 Haybine
NH 495 Haybine, 12' Rolareel End w/Transport, Ex. Condition
NH 276 Baler w/870 Thrower
NH 27 Whirlafeed Blower
JD 3800 Harvester, 2 Row Cornhead & Pickup Att.
Gehl Model CB600 w/2 Row Cornhead & Pickup Attach.
IH Model 56 Blower, H.D. PTO
IH Model 60 Shredder, 6 Narrow Rows, 4 Transport Wheels, Cylinder & Hose (Excellent)
IH Model 56 Blower, New Band
NH Model 890 Forage Harvester w/Electric Controls, New Knives, 2 or 3 Row Cornhead & Pickup Attachment.
NH Model 1469, 9 Ft. Self-Propelled Haybine w/Ford Engine
NH 479 Haybine, Excellent
Int 565 Harvester w/2 Row Corn Head
NH 234 Wagon w/Flotation Tires, Adjustable Tongue
NI 4 Row Shredder
NH 278 Baler w/58 Thrower
NH 38 Flail Chopper, Excellent

SKID STEER LOADERS
NH L425 Skid Loader
NH L775 Diesel Skid Loader
Owatonna Skid Loader, 38 HP, Water Cooled

SPREADERS
IH 3 Beater 160 Spreader
NH 365 Tank Spreader
New Idea 243 w/Gate
NH 790 w/Hyd Endgate
NH 791 w/Hyd. Endgate, Top Beater, Splash Guard, Fine Pan
NH 327 Spreader, 3 Beater

TRACTORS
IH 1086 w/cab (excellent)
IH 656D, Hydrostatic Drive
AC 7080 Cab, Air, Good Condition
IH 706 D w/Cab, Real Sharp
Farmall H

STIHL®

MESSICK FARM EQUIPMENT, INC.

VISA

RHEEMS EXIT - RT 283, ELIZABETHTOWN, PA
PHONE 717-367-1319, 653-8867
WARREN SPICKLER - HOME 653-4560
★ WE SHIP UPS

MESSICK'S

Farm Equipment Is Our Business

1953-1983 30th Anniversary

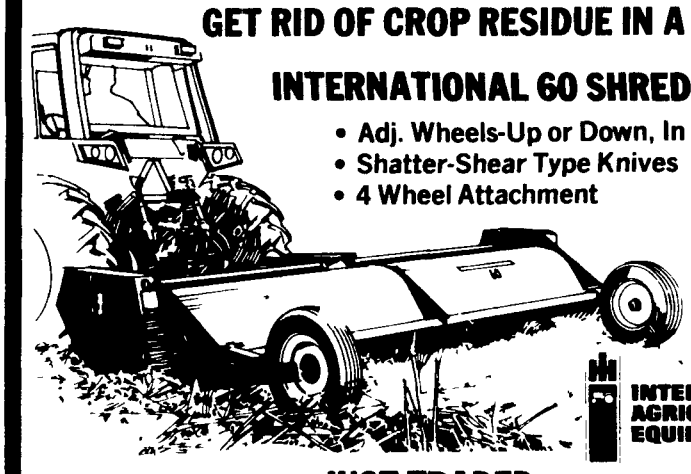
INTERNATIONAL 584 TRACTOR/ 2250 QUICK-ATTACH LOADER

GOOD USED TRACTORS
- IH 1086D w/Cab & Air
- IH 1066D w/Cab, New Rubber

Waiver of Finance till March 1, 1984

GET RID OF CROP RESIDUE IN A HURRY!

INTERNATIONAL 60 SHREDDERS
- Adj. Wheels-Up or Down, In or Out
- Shatter-Shear Type Knives
- 4 Wheel Attachment



INTERNATIONAL AGRICULTURAL EQUIPMENT

JUST TRADED
International 60 6 Row Shredder.
Only Used 150 Acres. Excellent Buy

INTERNATIONAL 595 SPREADER
Built to Perform

- Bear Claw beaters for outstanding shredding and spreading action.
- Beveled worm gear to extend drive component life.
- Rust-resistant steel sides (guaranteed to the original owner for the life of the spreader).
- Penta-treated ¾" plywood floors.

A GOOD SELECTION OF USED EQUIPMENT

PLANTERS
IH 800 4 row corn planters, dry fertilizer, monitor, insecticide, excellent condition. Don't Miss This Good Buy - Waiver Till Next March 1984
IH 400, 6 Row, Monitor, Fert. Attach., Insecticides, Fully Equipped
IH 56, 4 Row, Fert
Int 56, 2 Row
Ontario 16 Disc Grain Drill (Nice)

TILLAGE
Glencoe 13 shank Chisel
JD 350 6 bottom auto reset Plow
Brillion 10 Ft. Packer
IH Model 55 9 Shank Chisel Plow, Demo
IH 53, 4 Row Cultivator w/3 Pt Hitch
IH 311 plow
IH 37 Disk Harrow
Athens 9 Shank Chisel Plow
Athens 7 Tooth High Clearance Chisel Plow
Glencoe 7 Shank Soil Saver
Brillion 9 Shank High Clearance Chisel

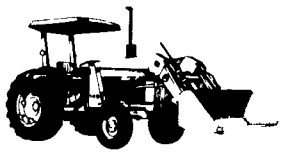
MISCELLANEOUS
JD 3 Section Rotary Hoe
New Idea 1 Row Pull Type Corn Picker
NH 354 Grinder Mixer
NH 352 Grinder Mixer
NH Model 156 Elevator, 24 Ft.
Lilliston 72" Rotary Shredder

MESSICK FARM EQUIPMENT, INC.

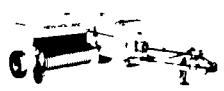
VISA

RHEEMS EXIT - RT 283, ELIZABETHTOWN, PA
PHONE: 717-367-1319, 653-8867
WARREN SPICKLER HOME 653-4560
★ WE SHIP UPS

DESTROY THE DOWNTIME DEMON



Our Expert Service Can Help



FARMERS KNOW THAT DOWNTIME IS THE WORST TIME OF THE SEASON. BEAT THE DEMON THIS SEASON WITH OUR WINTER SERVICE SPECIAL.

IF YOU HAVE A PIECE OF JOHN DEERE OR SPERRY NEW HOLLAND EQUIPMENT THAT NEEDS WORK OR IF YOU NEED A LITTLE PREVENTIVE MAINTENANCE THEN THIS SPECIAL IS DESIGNED FOR YOU.

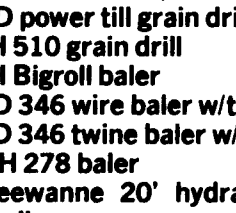
IF YOU SPEND	YOU WILL RECEIVE
$ 100 00 – $ 249 99	$ 25 00 COUPON
$ 250 00 – $ 499 99	$ 50 00 COUPON
$ 500 00 – $ 999 99	$100 00 COUPON
$1000 00 – $ _____	$100 00 COUPON PLUS 14 pc Combination Wrench Set

OFFER GOOD NOVEMBER 1 TO FEBRUARY 1

SCHEDULE NOW!!!

A. B. C. GROFF, INC.

110 SOUTH RAILROAD AVENUE
NEW HOLLAND PA 17557
PHONE 717 / 354 8004



JOHN DEERE — SPERRY NEW HOLLAND

VALUE
$25 – $50 – $100
$100 PLUS
14 pc Comb not on Wrench Set

DESTROY THE DOWNTIME DEMON

THIS COUPON GOOD ONLY AT ABC GROFF INC on any parts etc in our store
Not redeemable for cash Value of coupon to be determined by service manager

Approved by _____
Service Manager

COUPON

CLOSE OUT SALE

ALLIS CHALMERS — NEW IDEA

EVERYTHING MUST GO! PRICES CUT TO A MINIMUM!
PRICES AT DEALER WHOLESALE OR LESS
NO INTEREST ON USED TRACTORS & COMBINES UNTIL 12/1/83

New Equipment

Allis-Chalmers
83 mtd plow

Repossesions
AC 5050 4WD Tractor
AC "E" Combine
NI model 177 Elevator, 31', w/5 HP engine
AC 2313 Disk Harrow, 13'
JD model F620H 4 bottom plow
AC 3 btm. snap coupler plow

Other New Equipment
G.T. 370 Grain Dryers
G.T. 580 Grain Dryers
G.T. Quick bin
Moore Uni Drill 10'
Brillion 8' 9" soil builder
Brinley DD500 Disc harrows
Unicorn log splitter
AC air corn planter

Used Equipment

AC FKS combine, 1968 model, gas w/13' grain head, C440 corn head
AC 5 btm. semi-mtd. spring trip plow w/new bottom
NI 319 mtd. corn picker w/315 sheller
Minneapolis Moline model L Uni System w/combine
AC 7000 Tractor & cab
MF 510 combine w/heads
JD 24T baler w/#2 bale thrower
IH 303 Combine
NI 702 Uni System
AC K240 Corn Header
MF 44 Corn Head

Special
NH 1400 combine, model 1400, 13' grain head, excell. cond., low hours, equipped for corn & soybeans

FOB Herndon, Pa.
Routes 147 & 225

MECKLEY'S GARAGE
758-3915 (717)
Herndon, Pa.

USED TRACTORS

JD 4630, cab, air, power shift, exc. cond.
JD 4430, cab, air, quad range trans.
JD 4430, power shift, roll guard
JD 4320, no cab
JD 4520, new tires
JD 4230 w/rollguard
JD 4230 cab & air
JD 4020
JD 4020, power shift
JD 2940, w/roll guard w/500 hrs.
JD 2640 w/700 hrs.
JD 2020 diesel
JD 3020 gas
JD 3020 Diesel, Syncro
JD 1530 & 2030
JD 720 diesel electric start
JD 3020 diesel, power shift
IH 966, cab and air
IH 1466 w/cab
IH 1256 w/cab
IH 656 wide front
IH 574 w/loader
IH 2400 w/loader
Ford 9600
AC 7030 w/cab, real nice
AC 7030
AC 210 diesel
White 4-180 w/duals, quick coupler, used 2000 hours.

USED COMBINES

JD 7700 diesel w/6 row corn head
JD 55 corn special
JD 6600 Diesel
JD 4400 w/4R cornhead
JD 4400 diesel
Oliver 525 w/2 heads, exc. cond.
NI 702 tractor w/710 combine

USED HARVESTERS

Fox 2 row snapper head
Used Moridge grain dryer
Late Model NI 702 uni tractor w/767 Super Chopper, 3 row head & pickup head
Fox 2000
Fox Custom 90
NH 770 w/2 heads

MISCELLANEOUS

1980 Chevy tandem w/26' Jerdan rollback, like new
JD power till grain drill
IH 510 grain drill
IH Bigroll baler
JD 346 wire baler w/thrower
JD 346 twine baler w/thrower
NH 278 baler
Keewanne 20' hydraulic fold disc
JD 21' hydraulic fold disc
Large selection of smaller discs
Large selection of plows from 3 to 7 bottom
Gehl 2600 skid steer loader, used 800 hours
Gehl 9' haybine
NH 469 haybine
New Farmhand loaders for IH and JD tractors

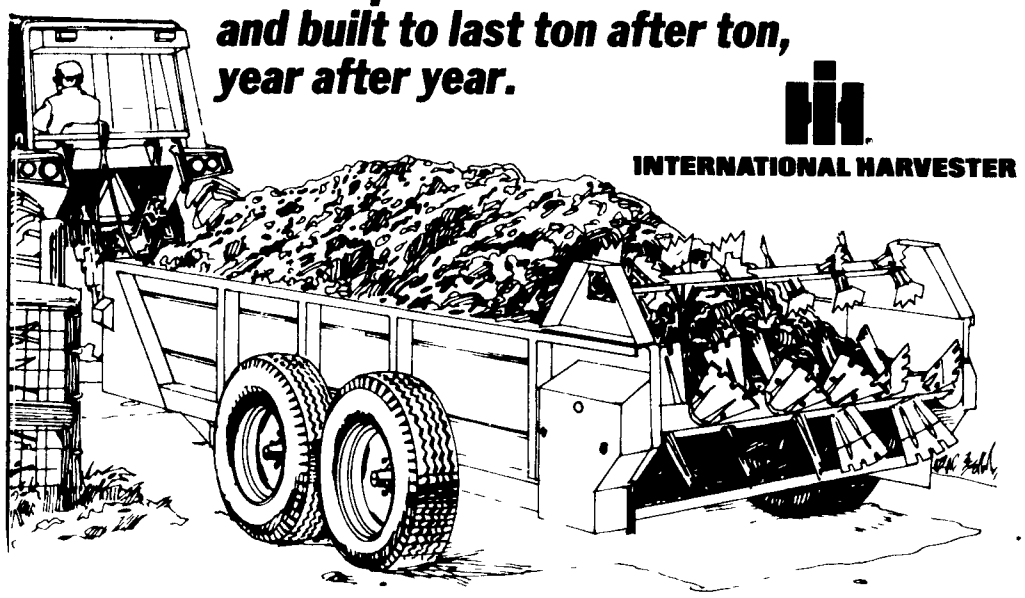
D & R EQUIPMENT INC.

Ringoes, New Jersey (201) 782-5082

International 500 Series Spreaders

Built to perform... and built to last ton after ton, year after year.

INTERNATIONAL HARVESTER



If you have a lot of manure to haul and spread throughout the year, we have some good news for you six big-capacity, high-strength spreaders

Our biggest models, the 595 and 575, have heaped capacities of 343 and 271 cu ft to handle your biggest jobs Both models have tandem wheels on bogie-type axles to help ease heavy loads over rough ground at fast spreading speeds

For smaller spreading jobs, IH offers you the 560, 550, 540, and 530 spreaders with single axles and heaped capacities from 148 to 255 cu ft They have many of the design features you'll find in the larger sizes

- Bear Claw beaters for good shredding and spreading action
- Beveled worm gear for long life of the drive components

Finance plans available.

CHECK THESE WHITE TAG SPECIALS NOW

Model	Regular Sale Price	Less 4% White Tag Special Plus Waiver Till 3/1/84	CASH SALE PRICE
550	$4,745	$4,555.20	$4,400
560	$5,690	$5,462.40	$5,290
595	$8,530	$8,188.80	$7,900

Hydraulic Endgate, Slurry Pan, Or Upper Beater, Extra

R.S. HOLLINGER & SON, INC.

PARTS & SERVICE

113 W. Main St.
Mountville, PA
Ph: 717-285-4538

Store Hours:
Mon. thru Fri. - 7 to 5:30
Sat. 7 to 12:00

CERTIFIED SERVICE

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

MF Massey Ferguson

FIELD QUEEN FORAGE HARVESTERS

GOOD USED EQUIPMENT

TRACTORS
AC D17
MF 265
MF 165
MF 175
MF 285
MF 1080
MF 1130
MF 1105
MF 2705 cab, 700 hrs.
MF 1150 w/cab
Farmall 450 Diesel
Farmall 400 gas
Farmall 966
Oliver 1850 gas
Oliver 77 Diesel
Oliver 770 Diesel, original tires

LOADERS
Gehl HL 3510
Gehl HL 2600
Gehl HL 4400
Gehl HL 4400 Diesel
Gehl HL 4600
Sauder to fit JD 2010
Kelly 600 to fit 165 and 175

COMBINE
MF 300, cab
MF 35, SP
MF 540, 13'
MF 510

SPREADERS
Gehl 250
Martin 1263 Scavenger
MF 130
NI 244

MOWER CONDITIONERS
Hesston 6450, cab, 12'
Hesston SP320
Hesston 1090
Hesston PT10
NH 461
NH 469
JD 1209

NEW EQUIPMENT
Hesston 6650 12'
MF 550 hydro.
Field Queen 7650

Longenecker's, Inc.
At Clappertown Williamsburg, PA
814-793-3731

Authorized Service Center for Wisconsin Engines

FISHER ENGINE SERVICE

3141 Old Philadelphia Pike
Bird-in-Hand, PA 17505 717-768-3729

- New engines from 3 to 65.9 hp in stock
- Factory-built parts
- Factory-trained service

complete sales and service help on all Wisconsin engines

---

case | GEHL | HESSTON | SAME

NEW TRACTOR SPECIALS!
Case 1390-60 HP . . . $12,000 Cash
SAME Corsaro "70" - 68 HP, 4 Wheel Drive. . . $16,000 Cash

USED TRACTORS

Case 570 w/Loader	$ 5,500
Case 1370 w/Cab, 2000 Hrs.	$17,500
Case 870 w/Cab, Turbo	$11,500
Case 1030, Turbo	$ 8,500
IH 1086 Cab, Turbo	$16,500
MF 1135	$12,500
AC WD-45	$ 1,700
David Brown 1200, 600 H.P.	$ 3,800

USED SKID STEER

Gehl 2600, 26 HP, Gas, 54" Bucket
Gehl 4500, 40 HP, Gas, 65" Bucket
Case 1845, 45 HP, Gas, 73" Bucket
Case 1845, 45 HP, Diesel, 73" Bucket
Case 1740, 40 HP, Diesel, 66" Bucket
Owatanna 1700, 36 HP, Gas, 60" Bucket

STOUFFER BROS. INC.

1066 Lincoln Way West, Chambersburg, Pa.
Phone 717-263-8424

Buy at Dealer Invoice

Model	Invoice Price
323 1 Row Picker	$6,370
325 & 327 Picker	$11,728
324 & 327 Picker	11,931
802 Power Unit (plus rear weights)	43,756
768 Harvester Head	4,924
767 Harvester	9,553
868 Harvester	11,752
818 Combine	10,655
406 Rake	2,305
272 Cutditioner	3,817
279 Cutditioner	4,229
621 Blower	1,722

We're Dealing Straight From the Invoice

Now, for a limited time, we'll sell selected New Idea equipment on our lot at the factory invoice price.

We are sacrificing profits now to lower our inventory investment cost during the winter months.

FACTORY INVOICE PRICING

THINK ABOUT

- Our low prices
- Your trade in allowance
- Investment tax credit
- Re-Investing your PIK income

See us now. Check the invoice and save on top quality New Idea equipment at our lowest possible price.

AVCO NEW IDEA

ZIMMERMAN'S FARM SERVICE
Bethel, Pa. 717-933-4114

MF Massey Ferguson

M.M. WEAVER & SON, INC.

Leola, PA 17540 (717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

USED COMBINES

1976 MF 750 4 wheel drive, 6 row, 4 row corn head and 15 ft. floating grain table . . . $39,000
1977 MF 750 Hydro with grain saver . . . $29,000
1977 MF 510 Hydro cab w/air condition . . . $19,000
1976 MF 750 gear . . $26,000
1976 MF 750 hydro . . $19,500
1976 MF 750 hydro with straw chopper $29,000
1975 MF 510 gear air conditioned cab . $19,000
1975 MF 750 hydro . . $22,000
1975 MF 750 gear with grain saver . . . $26,000
1975 MF 760 hydro $26,000
1975 MF 760 hydro V8 . . $29,000
1974 MF 760 hydro . . $25,000
1973 MF 760 hydro . . $24,500
1972 MF 510 gear with cab . . . $12,500
1972 MF 510 gear with cab. . . . $10,500
1972 MF 300 gas with cab . . . $10,500
1971 MF 410 gas with cab. $8,500
1971 MF 410 diesel with cab . . . $8,500
1972 MF 510 diesel with cab . . . $8,500
1971 MF 510 diesel with cab . . . $12,500
1972 MF 510 diesel with cab . . . $12,000
1972 MF 510 diesel with cab . . . $12,500
1969 MF 510 diesel with cab . . . $12,500
1968 MF 510 diesel with cab . . $10,000
1968 MF 510 diesel with cab $15,000
1968 MF 510 diesel with cab . . $13,500
1967 MF 410 diesel with cab . . . $6,500
MF 300 gas. . . . $3,500
IH 303 w/corn & grain head $3,000
Gleaner "A" gas. . . . $2,000
JD 45 . . . $2,100

Above Combines Include Grain Tables Less Corn Heads
Three 10 ft; four 13 ft.; six 14 ft., eight 15 ft., five 16 ft. Grain Heads
Nine 2 row 38", fifteen 4 row 38"; six 4 row 30"; eleven 6 row 30"; two 8 row 30" Corn Heads

USED TRACTORS

MF 35 Dsl. . . . $2,500
MF 178. . . . $3,900
MF 165 Dsl. . . . $4,200
MF 1155. . . . $10,500

USED EQUIPMENT

MF 730 Disc . . . $4,750
Badger Forage Wagon . . . $1,100
Danuser Log Splitter . . . $675
Danuser Post Driver . . . $1,300
NI Corn Picker Sheller, 2R 30" pull type . . . $6,250
NH 271 Baler w/thrower . . $1,800
JD 216 Plow . . . $750
NH Super 717 Harvester . . . $950
IH Fast Hitch 3x14 . . . $400
AC 18' Fold Wing Disc . . . $1,500
Ez-Flow Gravity Box w/wagon . . . $880
MC 9E Rotary Scythe . . . $3,900

SPECIAL

New MF 2805 Diesel Tractor, 190 HP, 24 Speed, Air Conditioned, Cab & Heater, 20.8x38 Axle Mounted Duals
List Price $69,277
Less Special Discount $20,000
$49,277

Why Do Farmers Prefer

Krause "Rockflex" Discs?

THAT'S SIMPLE!

They Work and

Work and Work and

Work and Work and Work...

KRAUSE "ROCKFLEX" DISCS ARE AVAILABLE FROM 12' to 45' WIDE, FROM 110 to 230 lbs. per blade - IN THE RIGHT SIZE FOR YOU.

Krause "Rockflex" discs are built tough to work hard and last long in the rocks, so you don't have to work hard and long fixing up what the rocks busted up. Do yourself a favor for Christmas — INVEST IN KRAUSE.

Bring Out The Joy . . .
Give A Farm Toy !

20% OFF ALL TOYS IN STOCK
(Riding Tractor Not Included)

Fun Gifts For The Future Farmers In Your Family

ups
United Parcel Service

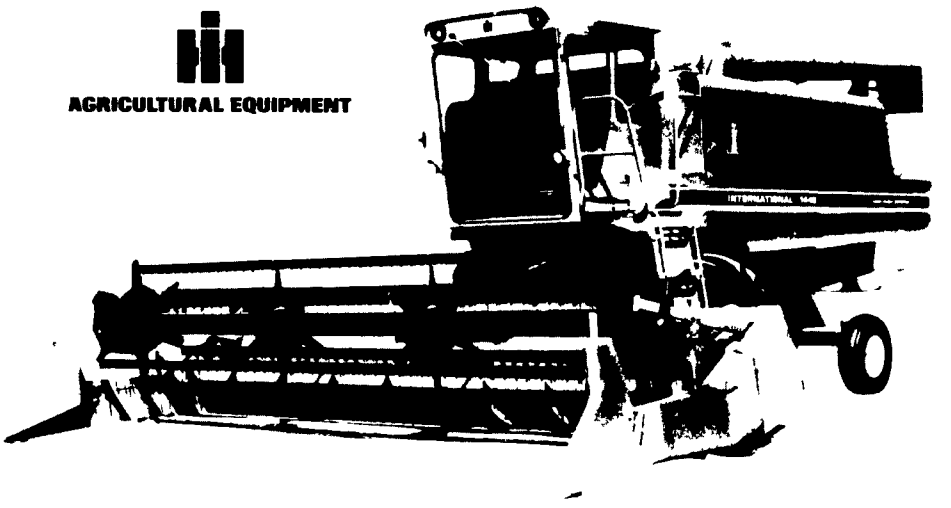
C.B. HOOBER & SON INC.
INTERCOURSE, PA 717-768-8231
★ Call Us - We Probably Have It ★ Will Ship Same Day Via UPS-PPSH-BUS AIR FREIGHT Etc

VISA

FARMERS REPORT MORE PRODUCTIVITY WITH AN INTERNATIONAL AXIAL-FLOW

Get More Bushels Per Day, More Bushels Per Acre, More Dollars Per Bushel, And More Bushels Per Gallon Of Fuel.

AGRICULTURAL EQUIPMENT



THE FACTS ARE SIMPLE

Year after year more farmers are noticing the impressive results of International Axial-Flow Combines. When your neighbors get increased performance and productivity like outlined below, its no wonder that International Axial-Flow combines have earned the trust and admiration of farmers all over the East.

Full Season Comparison of International Axial-Flow Combine with Prior Combine of Equal Size.*

CORN/BEANS

		1440 Vs. Class IV	1460 Vs. Class V	1480 Vs. Class V
More Bushels Per Day Percent increase in bushels per 10-hr day	Corn	+33%	+21%	+35%
	Beans	+26%	+18%	+26%
More Bushels Per Acre Extra bushel from less grain loss	Corn	+.63 +.91 sidehill	+.56 + 76 sidehill	+.33 + 66 sidehill
	Beans	+.65 + 85 sidehill	+.58 + 87 sidehill	+.64 + 64 sidehill
More Dollars Per Bushel Increased value per bushel from less dockage	Corn	+1.8¢	+1.75¢	+1.53¢
	Beans	+1.8¢	+1.75¢	+1.53¢
More Bushels Per Gallon Percent increase in bushels per gallon	Corn	+39%	+25%	+28%
	Beans	+31%	+22%	+24%

*More than 1600 owners of Axial-Flow combines compared the productivity of their Axial-Flow combines with their prior combines These facts are from the more than 1000 corn/bean farmers reporting

BUY YOUR COMBINE FROM A COMBINE DEALER

AND GET PARTS & SERVICE SUPPORT

WAIVER OF FINANCE

UNTIL SEPTEMBER 1, 1984

on both

NEW & USED COMBINES

Increased Productivity Does Not Always Have To Carry A Higher Price Tag.

IH Combines Are About The Same Price As Comparable Conventional Combines.

TRADE UP NOW. DON'T WAIT 'TILL NEXT YEAR

—USED EQUIPMENT—

TRACTORS

TAG#	DESCRIPTION
W8629	IH 3588 2+2
W8379	IH 4166 4WD
W7372	IH 1466D w/Cab
W8307	IH F1456D No Cab, Duals
W7379	IH 1456D w/Cab
W8053	IH F1456D, No Cab
W7951	IH F1086D Frt Wts, Radio
W8648	IH F1026D Hydro, No Cab, New Paint
W8633	IH F1026D Hydro, No Cab
W8229	IH F966D No Cab
W8070	IH F966D w/Cab
W8647	IH F856D w/ROPS
W8346	IH F706D
W8579	IH F656G
W8165	IH 584 Low hrs.
W8045	IH 454G, New Paint
W7844	IH F450D
W8569	Farmall Super C w/Cult.
W7870	Farmall H w/Pulley
W8536	Farmall M w/Pulley
W7821	IH 4120 Skid Loader
W7183	Steiger ST251 w/20.8 x 34 Duals
W8546	AC WD
W8627	Deutz D5506-S, on Steel
W8626	Case 2670 4 WD w/20.8 x 34 Duals
W8534	Long 445
W7928	LeRoi Centour AG49 w/3 pt.
W8683	IH B414G w/Loader
W8684	IH 84 Hydro
W8243	Deutz DX140
W8759	IH F706D
W8729	IH F1086D w/ROPS
W8305	IH 450G
W8756	IH 574D

TILLAGE

TAG#	DESCRIPTION
T8745	IH 490 21' Disk
T7049	Krause 2413 Disk w/3 Bar Tine Harrow
T8412	Krause 1112 Disk
T8616	JD 215 12' Rock-Flex Disk
T8439	JD TO-220 17' Disk
T8034	JD 110 10' Disk
T8166	JD BW 10' Disk
T7751	Miller 12' Disk
T7413	Oliver 252 10½' Disk
T6033	AC 3300 24' Disk
T7945	IH 710 4F-16" AR Plow
T8363	IH 550 5F-16" Plow
T8366	IH 510 5F-16" Plow, Shifting hitch
T6493	Glencoe 11 Shk Soil Saver
T8652	White 271, 18' Disk w/Inc. Boom
T8693	Glencoe 13 Shk Soil Saver
T8760	IH 531 3F-14" Plow

MISCELLANEOUS

TAG#	DESCRIPTION
V8371	Allied 265 Grinder-Mixer
U7321	Brady 1680 Flail Chopper
U8724	IH 1 PR Cornpicker
W8694	NI 504 Loader
U8719	Kools KB1000 Blower
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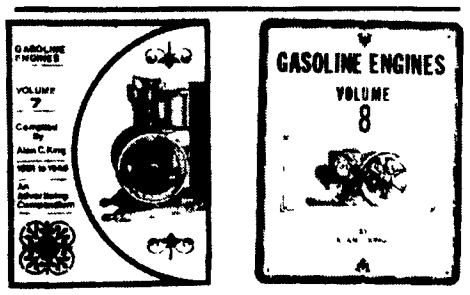

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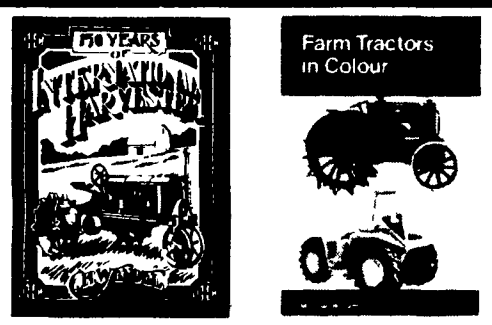

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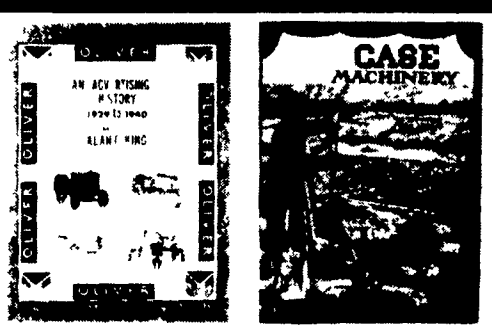

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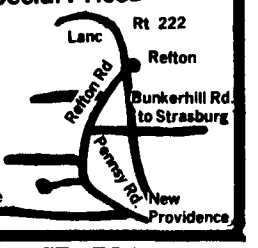

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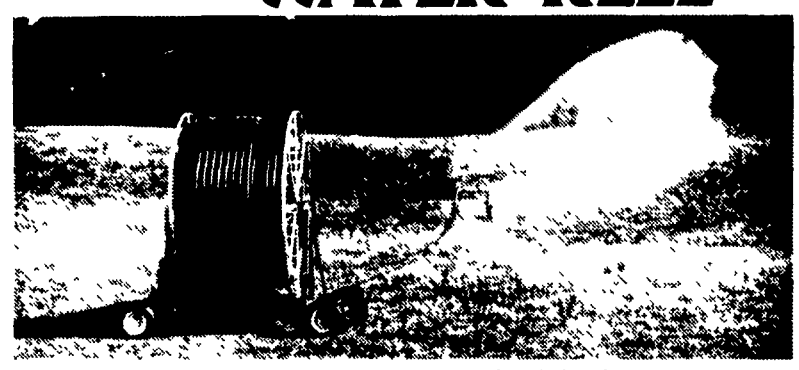

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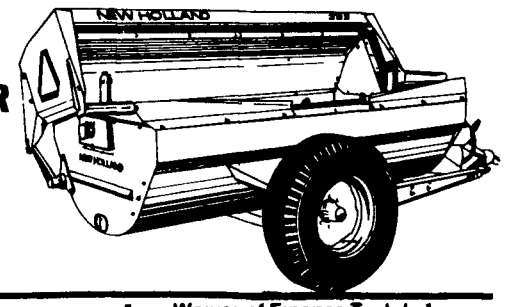

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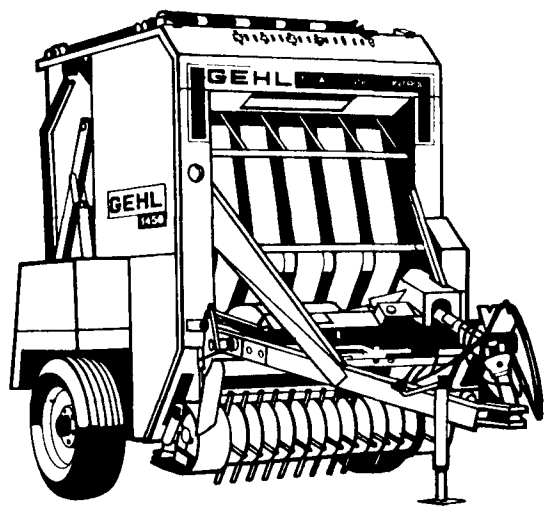
On All Hay Equipment



Gehl's 1450 round baler offers Total Density Control (TDC) with its patented "air-draulic" baling system. Choose the size of the bale's center core and density of the outer wrap according to your operations's needs and crop moisture content. Find out more about how Gehl Put Good Ideas to Work in the 1450 round baler's TDC system....stop by for a demonstration!

Gehl 1450 Baler ..... List $10,640 ..... SALE PRICE **$8,350**
with delayed payment program till July 1, 1984

Gehl 2160 Mower Conditioner 9 ft. cut
List $8,780 ..... SALE PRICE **$7,245**

Gehl 2230 Mower Conditioner 12 ft. cut
List $12,660 ..... SALE PRICE **$10,300**

Gehl Model 806 Running Gears, 8 Ton with 15x8 wheels and extendable hitch ..... List $967 ..... SALE PRICE **$775**

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EQUIPMENT WITH EXTRA 4% DISCOUNT
Now Thru January 31st

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- 884 Row Crop
- 684 Low Profile
- 6388 D Tractor 2+2, Plus Demo
- 3688 D w/Rops, Plus Demo
- 3288 D w/Rops
- 15 Rear Blade, 3 pt.
- 20 Rear Blade, 3 pt.
- 181 15 ft. Rotary Hoe
- 5500 11 Ft. Mounted Chisel
- 5500 13 Ft. Mounted Chisel
- 4500 Field Cultivator
- 735 6-Btm. Vari-Width
- 1350 Grinder Mixer
- 781 For. harv. & 2 Row Head
- (1) 595 Spreader
- (2) 560 Spreaders
- 4130 Skid Loader, Rental
- 183 4-Row Cultivator
- 1190 Mower Conditioner SOLD

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- ★ 3688 - w/ROPS - Demo Special!
- ★ IH 6388 - 4 Wheel Drive - 130 HP - 540/1000 PTO
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  At The Same Price As An Add-On 4WD!
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(5 days, 4 nights)
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Offer Good Nov. 1, 1983 to Jan. 31, 1984

COMBINE HEADQUARTERS
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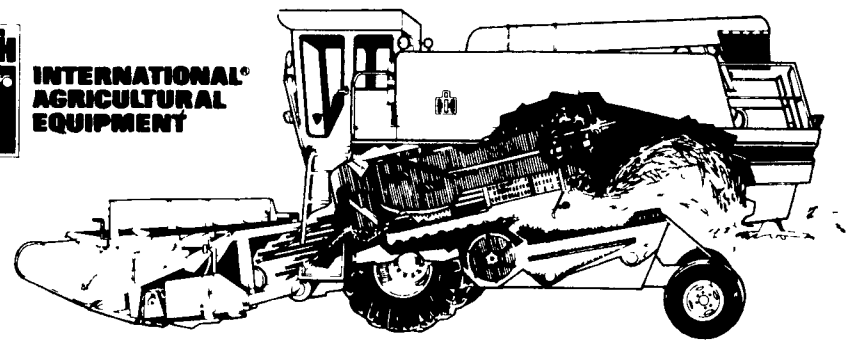
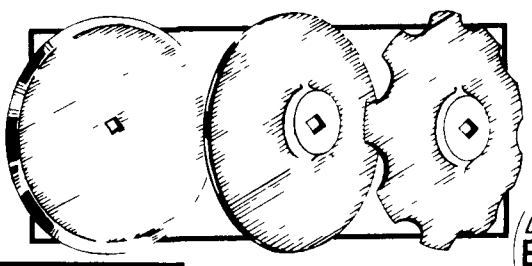
INTERNATIONAL® AGRICULTURAL EQUIPMENT



- ★ IH 1460 Combine In Stock!
- ★ IH 1420 Combine - In Stock - Old Price! - Demo! Plus 8% White Tag Discount!
- ★ 963, 944, 943 Heads In Stock! - Old Price Plus White Tag Special
- ★ 820 15' Floating Cutter Bar
- ★ 810 13' Cutter Bar
- ★ 810 15' Cutter Bar (Old Price!) - White Tag Special

★ **WAIVER TILL 9/1/84 OR CASH REBATE!**

We Specialize In IH Combine Parts & Service!



IH DISK HEADQUARTERS!

EARTH METAL

EARTH METAL DISKS: 60% Stronger! 20% Longer Life!

C-shape bearing standards Allow gangs flex to ride over obstructions.

IH 496 FLEX WING DISK HARROWS WITH EARTH METAL DISKS!

Model	Cutting Width	Disk Blade Spacing	Blade Sizes Available	Transport Width	Operating weight With Blade Sizes
496 Folding Wing-Type	18 ft 7 in 22 ft 2 in 24 ft 7 in 28 ft 1 in 31 ft 8 in	7½ in	20 or 22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	20 in 6598 lb 20 in 7326 lb 20 in 7807 lb solid 8513 lb solid 9137 lb
	19 ft 1 in 22 ft 24 ft 10 in 27 ft 8 in 32 ft	9 in	22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	22 in 6750 lb 22 in 7370 lb 22 in 7847 lb solid 8482 lb solid 9224 lb
496 Cushion Gang	19 ft 1 in 22 ft 24 ft 10 in 27 ft 8 in 32 ft	9 in	22 in	12 ft 5 in 12 ft 5 in 14 ft 8 in 14 ft 8 in 14 ft 8 in	22 in 7125 lb 22 in 7667 lb 22 in 8105 lb solid 8911 lb solid 9700 lb

New For 1983...
22'2" - 7½" Spacing, Cushion Gang - Model 496

Others In Stock...
19'1" - 9" Spacing, Regular Gang
19'1" - 9" Spacing, Cushion Gang
22' - 9" Spacing, Regular Gang

CALL US FOR IH DISK HARROW PARTS IN STOCK!

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IH GRAIN DRILLS
- In Stock - Ready For Delivery -
18x7 Plain 16x7 Comb.
21x7 Plain, old Price!

★ **WAIVER TILL 5/1/84!**

IH SUBSOILERS - IN STOCK
No. 14, Auto Reset, 5 Shanks
No. 10, 1 SOLD Shanks
No. 10, 8'3, 3 Shanks

★ **WAIVER TILL 3/1/84!**

USED EQUIPMENT

TRACTORS: (Waiver to 3/1/84)
IH 806, 3 pt. Hitch, Wide Front, TA, $5950 (No Trade)
(2) IH Farmall "C"
Int. F12 w/cult.
Int. 400 Farmall, Real Nice!
IH 1066 D w/Cab & Air - Real Nice!
IH 766 D, Black Stripe
IH 806 Diesel, Wide Front, TA, Fast Hitch
IH 560 Gas, 400 Gas
MF TO-20 w/Turf Tires
MF 33 w/3 pt. Hitch
MF 65 Diesel w/MF Loader

HAY & FORAGE EQUIPMENT:
(3) IH No. 51 Forage Wagon
IH #5 Flail Chopper, Direct Throw
33 NH Flail Chopper
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper
AC 6' Trailing Mower SOLD
IH 990 9' Mower Cond.
1014 Hesston Mower Cond.
IH 27 Baler w/Thrower
IH 47 Baler w/Thrower
IH 440 Wire Baler w/Thrower
New - 451 Mower 9' 3 pt. Hitch Sickle SOLD
Kuhn GF 452 4-Star tedder, Nice Shape
5026 Elec. Wheel, 8 ton Gears

MISCELLANEOUS:
Used CP Model 250 Rotary Vane Air Compressor w/IH 282 Diesel Engine Mounted on CO 1600 Int. Truck - ~~$3800~~ — ~~$3,650~~ Now $3000
Shaver 3 Pt. Hitch Post Driver

TILLAGE: (Waiver to 3/1/84)
Cub 1-way Plow
Cub Single Gang Disk
Cub 1-Row Cult.
Cub 2-Way Plow
Pittsburg 9'1" and 11'6"Disks
JD 3 pt. 3 Bottom 14" Plow
JD 110 12' Disk, Good Shape
IH 370, 350, 37, 35 In Various Sizes
Oliver 4-Bot. Semi-Mtd. Plow
IH 440 4-Bot. Plow
IH 700, 5 Bot., 18" Plow
IH 700 6 Bot. 16" Plow
IH 550 5-Bot. 16" Semi-Mtd. Plow
IH 540 4-Bot. 14" Semi-Mtd. Plow
IH 531 3 pt. 3 Bot. Plow
IH 311 Fast Hitch Plow, 3 Bot.
AC 1-Bot. Trailing Plow
MF 880 5-Bot. Auto. Reset
Glencoe 18' Field Cultivator
Vicon 10' Power Harrow — ~~$2,500~~ — ~~$2,300~~ — $2,000

PLANTERS: (Waiver to 5/1/84)
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert.
4 & 6 Row Cyclos, Field Ready!
JD FBB 17x7 DD
IH No. 10 13x7 Plain Drill
IH No. 10 16x7 SD, Comb. Drill
Oliver 24x6 Combination Drill
MF 13x7 Comb. Drill

LAWN & GARDEN:
IH 127 w/Mower, Recond.
IH 1650 w/Mower, Like New
IH 682 w/Mower, Like New
IH 782 w/Mower, Like New
IH 100 w/38" Mower

COMBINES:
IH 863 6-Row Narrow Cornhead, Low Acres
715 Diesel Hydro w/13' Floating Cutter Bar and 744 Cornhead
810 13' Cutter Bar
MF 410 Gas, w/34 Corn-head & 13' Platform
FKS Gleaner Diesel 4 Row Wide, 12' Platform
MH 35 SP 8' Platform, Fair Shape
AC Model C2, 1969 Gas, 14' Platform, 4 Row Wide Cornhead — $5500!
Waiver To 9/1/84

IH 315 Hydro w/12' Platform, Field Ready, w/PU Wheel & Hyd. Lift
IH 315 Hydro (For Parts)
IH 403 w. 4-Row Wide Head & 12 ft. Grain Platform
IH 315, 2-Row Wide Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
IH 234 Picker w/Husking Bed, Mount for 656 Farmall
Set of Tires & Rims for 1420 Combine - 23x134 Rice tires

MATERIALS HANDLING: (Waiver to 3/1/84)
IH 2250 Loader for Farmall Tractors
Farmhand Loader for IH 74 Series Tractor
157 Hawk Bilt Spreader - was ~~$995~~ Now $695
NH 512 Spreader w/End Gate
NI 212 Spreader, PTO, flail type
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MF 285, 8 spd.
AC WD

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Case 5B Semi-Mtd Plow
JD 4 x 16 Plow
JD 12' Tandem Disc
(2) Drag Harrows
Brillion 24' Field Harrow
Ford 27' Field Cultivator

Hay Equipment
Fox 2000 Harvester w/2 heads
Gehl 16' Fg. Box
NH 16' Fg. Box
AC 390 Mower cond.
Ferguson 3 pt. Mower
NH 271 Baler w/thrower
IH 37 Baler w/thrower
MF Model 3 Baler w/thrower
AC 303 Baler w/thrower
MF 3 pt. Hay Rake
NH 36 Crop Chopper

Miscellaneous
MF 468 4R Planter
NH L-35 Skid Steer Loader
Gehl 2600 Skid Steer Loader
NI 214 Manure Spreader
Case Uniloader w/Bucket & Fork
Gehl #65 Grinder-Mixer

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Used Hay Tedder Vicon 10
MF 128 T baler/thrower, wide pick up, shur tie knotter
John Deere 480 mower conditioner

NEW TRACTORS & EQUIPT. IN STOCK
D5207 Deutz tractor, 52 h p
D6207 Deutz tractor 62 h p
D6807 Deutz Tractor, 68 h p
D7807 Deutz tractor, 74 h p
DX 120 Deutz tractor, 111 h p , w/4 post safety frame
Leon 636 heavy duty front end loader, fits Deutz tractors
Deutz Fahr KH300 9 8' Hay Tedder
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New Vicon SP450 w/Thrower
1 Demo SP 450 without Thrower

MOWER CONDITIONERS

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2 Used KM240 s
1 NH 477 Used
1 Demo KM321 10 6
1 NI 7 Cut/ditioner

RAKES

4 New 4 Wheel Rakes
8 New 8 Wheel Rakes
1 New R23 Vermeer

PLANTING

1 Haybuster 1068 Drill
8 Vicon Spreaders

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Dismantling Combines for parts over 200 all makes and models. Call before you come.

IH 64, 76, 80, 82, 125, 127, 141, 101, 151, 91, 93, 203, 303, 403, 503, 205 & 815. JD 12 A, 25, 30, 40, 45, 55, 95, 105. AC 60, 66, Gleaner A, C, CII, E or L. MF Clipper, 26, 27, 70, 80, 90, 72, 82, 92, 35, 300, 410 & 510. Oliver 33, 35, 40, 430, 525 & 545. Ford SP & pull. 701 NI Uni tractor, NI Uni - 705D (ear corn unit), combine & shellers, Case 800 & 660, 600.

COMBINES

E Gleaner, 3 row narrow corn head, cab, 10' grain head
IH 80 pull type auger feed, $1500, Sharp
IH 205 w/10' grain head, 2R corn
IH 105, cab, grain & 2 row corn, $2500
Gleaner A2 w/cab & grain head & corn head
NH 985 cab with quick-tach grain head
MF 300, cab, 13' grain head, 2 row corn head, $3500

TRACTORS

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Late JD A w/hydraulics
JD 60 w/live PTO, $1050
IH Super M, $950
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Oliver 77 gas, $675

TILLAGE

JD 1450 6 btm. 16" plow, $1750
3-IH 10' & 12' wheel discs
10' transport roller harrow

MISC.

Wide Front Ends; Oliver 77, Massey 44
Case spreader, $275
2 sets of 18x38 rear tractor, dual wheels
New Zimmerman 32' elevator, $1450
#7 NI Picker
JD 4 row 30" corn head, fits 95 combine
IH loader for H or M, $185
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3 pt. Hesston round balemover, $450
Dump trailer will haul 12 T shelled corn, suitable for tractors 100 HP or over
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JD 4050	
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JD 4450	
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JD 2440	$17,000
JD 4240 QR, SG Body	$33,000

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JD 660 Spreader	
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JD 445 Spreaders	
JD 300B Backhoe/Loader No Trade	
JD 115 11' Disc	
JD 315 13' Disc	
JD 6620 Side Hill Combine	
JD 4420 Combine	
JD 1326 Mower Conditioner	
JD 660 Rakes w/rubber teeth	
JD 3940 Fg Harvester	
JD 2600 5Bx18" Plow	
JD 1250 Plow 3Bx16"	$1800 N/T
JD 1250 Plow 4Bx16"	$2450.95
JD 2700 6Bx18" Plow	
JD 7000 Conservation Corn Planters 6R	
JD 16x10 FF Drill	$4000
JD 327 Baler w/ejector	
JD 27 Flail Shredder	
JD 965, 1065, 1075 Running Gears	

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1-IHC 830 Fg. Harv. 1981 model, PU & 2 R.C. H	$11,000
1981 White Combine 7300 w/704N 4 Row Corn Head	$25,000
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JD 730 Dsl. Tractor	$3500
AC WD Tractor	$895
JD 400 Tractor Model 1981 w/60 mower	$4,800
2-105 White Tractor	$14,500
JD 90 Skid Steer Loader	$5,500
JD 336 Baler w/ejector	$4500
(1) JD 216 Forage Wagon w/1064 running gear	$2,500
(2) AC 600 Series 6 Row Narrow Corn Planter	$4500 ea
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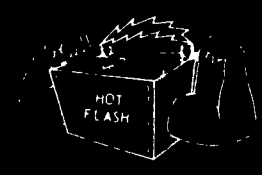

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JD 4010 Diesel
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Uni 717 Combine
Uni 705 diesel w/727 husker & 738 or 844 narrow or wide corn head SOLD
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225 Field Cult., 19'
506 5 Bot. SAR Plow
506 6 Bot. SAR Plow
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FB 99 Blower

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NEW IDEA-
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384 Solid Plus Spreader
213 Spreader w/215 Cylinder Paddle
BEHLEN CORN CRIBS-
611 Bushel
KUHN-
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USED EQUIPMENT
2-35 White Tractor
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FB 88 Gehl blower
Gehl CB600 For. Harv. w/2 Row Wide Cornhead

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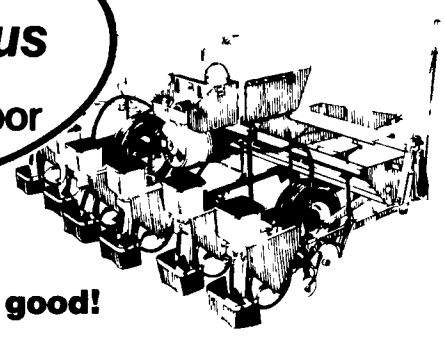

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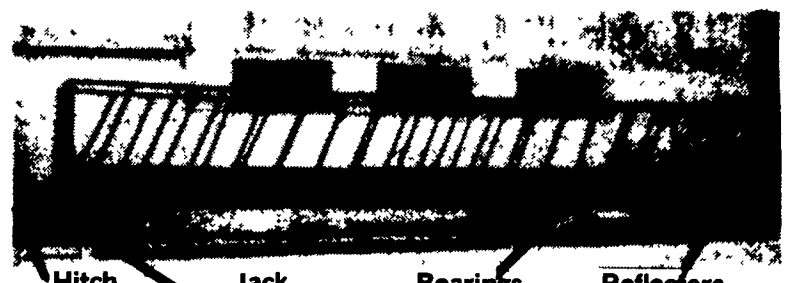
AC 7050D	AC 180D	AC 5040D	IH Cub Low Boy	JD A	Case 450 Crawler/ Loader
AC 7020D	AC 170D	AC 5050D	IH 350	Ford 4000	Oliver 1650D
AC 7010D	AC 175D	JD 2010	IH H	MF 65D	
AC 7000D	AC D19D	IH 806	IH 140	MF 65G	
AC 440	AC D14				

NEW AC L2 COMBINE w/15' Floating Cutter Bar Head Reduced Price!!

EQUIPMENT

New and Used Miller Discs and AC Discs
(2) 315 NH baler and thrower
269 NH baler and thrower
14T J.D. baler and engine
AC 444 baler and engine
Farmhand grinder & blower
(2) L 425 NH Skid Loaders
731 Bobcat Skid Loader
610 Bobcat Skid Loader
630 Bobcat Skid Loader
1000 OMC Skid Loader
371 Bobcat Skid Loader
70 JD Skid Loader
Thomas Skid Loader
MC 600 Grain Dryer
65' 8" transport Auger
AC L, M, F, G&A Combines
NH 890 Chopper w/2 or 3 Row Head & Pickup Head
IH 830 Forage Harvester
Uni Harvester 708 & 702

ALL PURPOSE FEED TRAILER All Metal Construction



Hitch Slide away hitch to prevent cattle from injury
Jack Fold up bulldog for easy hookups
Bearings Tapered roller bearings for long lasting & easy towing
Reflectors SMV sign for safe towing on highways

- **Length 24' & 30' + hitch**
- **Cattle can eat out of all 4 sides**
- **For feeding in pasture or barnyard**
- **Suitable for feeding cows, heifers, steers etc.**
- **Ideal for feeding from bulk silo or Ag Bag**
- **Easy to tow behind pickup or tractor**

Priced At
24' —$695
30' —$825

BARTVILLE WELDING SHOP
Rt. 1, Christiana, PA
(at Bartville) 17509
Call Bob Miller
717-687-8217

LEROY ZIMMERMAN
Rd 2, Box 148
Ephrata, PA 17522
717-859-3118

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

WE
HESSTON CORPORATION

Hesston 7650 4 whl. drive SP
Fox 3310 pull type
NI 802 Uni w/Harvester
Auto Roller Mill-Blower

TILLAGE EQUIP.

Glenco SS9 Soil Saver, Demo
Bush Hog 1560 Soil Hog 5, 7 & 15 Shank

USED TRACTORS

White 2-155 4 Whl. Drive 1962 500 hrs.
Oliver 1850 tricycle
Oliver 77
Ford 6000 Dsl.
Farmall M
Hesston 480 4 WD., - 45 h.p., w/loader
Case 1210
Case 430 w/Loader
Hydramac 8C skid loader, like new
IH 544 Gas, wide Front End

STALK SHREDDING EQUIPMENT
New Brady 1440 12' Shredder
New Bush Hog 15'&20' Wing Mowers
Used NI 270 Cut/ditioner Used 14'
Bushhog Flail Mower Used 7'
Bushog Rotary Mower Used C80
Woods Rotary Mower

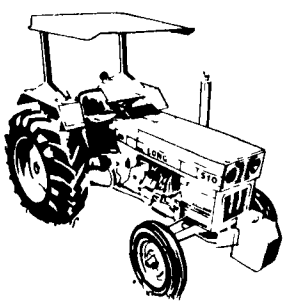
USED HARVESTERS

MF 750 Combine 6R & 131 Grain Head
MF 410 D Combine
701 Uni
702 Uni
727 Husker w/3RN Head
Fox Super Dw/3RN Pickup
Fox 3310
Fox 2000, 2 RN Head
Fox 2310 2 Row N & Pickup
Fox 299 80" Flail Head
IH 830 w/3 row head and pickup
NI 323 Picker, used 40 acres
NI 324 & 325 2 Row Picker
Gehl 99 Blower

USED EQUIPMENT

White 5100 4 Row Planter Dry Fert & No-till
JD 7000 4 Row Consv. Planter
AC 4R Planter
NI 710 Combine
NI 725 3R Head
Kuhn 13' Tedder
Kewanee 20' Field Cultivator
JD 216 Wagon, 3 btr. & roof.
Hesston 5500 Round Baler
NH 320 baler w/thrower like new
Gehl 910 Fg. Wagon, 3 btr. & roof
Bale thrower wagon 3 pt. backhoe
Hesston 1014, 12 Ft. Hydro Swing Windrower
JD 2280 diesel 14' windrower
Westfield 744 auger PTO
Hough 25B Loader
EZ Trail Bin Wagon
Hesston 1400 gal. tank spreader
Walsh 500 gal. skid sprayer w/30' boom
29.8x38 Axle Duals for AC 7040.

STOLTZFUS FARM SERVICE
Cochranville, Pa.
215-593-2407



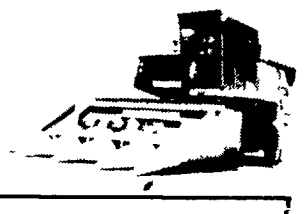
LONG

FALL TRACTOR SALE!

New Long 910... 72 HP $12,000
New Long 260 ..... 24 HP
Long 360 Demo, LOT Loader And Curt Cab...35 HP ... $8,390 SOLD
Long 460, Low Hrs...42 HP ... $5,995
New Long 510... 48.5 HP $8,779
New Long 7'9 3-Pt. Disk $1,388
New Long 60" 3-Blade, 3 Pt. Mower $970
New Long 6' Box Scraper $656

MAIDENCREEK FARM SUPPLY
Blandon, Pa.
215-926-3851
Between Rt. 61 & 222 on Rt. 73
The Orig. & Only Berks Co. Long Dealer

MF Massey Ferguson



Massey Ferguson Inventory Reduction

New MF Combines
9.9% Financing for 60 Months
or Waiver of Finance Charges
Until August 1, 1984

Selected Used Combines at
10.9% Financing for 36 Months
or Waiver of Finance Charges
Until May 1, 1984

Plus Big Discounts
Limited Time Offer

NEW EQUIPMENT IN STOCK

MF 220 baler
MF 224 baler
MF 212 bale thrower
MF 860 diesel combine, hydro
MF 1144 corn head
MF 1163 corn head
Du-Al 200 bushel manure spreader, $4650

USED EQUIPMENT

MF 510 combine
MF 760 combine w/6 row corn head & 16' grain table
MF 750 combine w/63C corn head & 14' grain table
MF 410 combine w/4 row corn head
MF 300 combine w/2 row corn head & 10' grain table
MF 2675 diesel tractor
MF 285 diesel tractor
MF 236 Ag loader

Special Half Priced Sale
Heavy Duty Batteries
Group 24, 480 Cranking Power,
$49.95

Renting skid steer loaders.
Radio Dispatched Service

ABRACZINSKAS Farm Equipment, Inc.
RD1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

NOTICE TO ALL FARMERS

If you have a problem in tractors, all brands, concerning stiff hydraulic, differential, hydrostatic or wet brake system slipping, we can solve it on your farm.
Also very good on automatic transmission slipping or sticking reverse

Reasonable Rates
Must inquire to appreciate.
Will travel any distance.

F & S Service
717-687-8412

FALL SPECIAL
New JD 4640 cab, w/A.C., Q.R., 20.8x38 radial duals, 3 hyd., Q. Cup.
Waiver until March 1984

NEW TRACTORS IN STOCK
Waiver until March 1, 1984

* JD 1050, 33 HP
* JD 2550, 65 HP
* JD 2750, 75 HP, 4WD, cab
* JD 4050, 100 HP, Q.R., cab
* JD 4250, 120 HP, PS, cab
* JD 4250, 120 HP, 4WD, PS, cab
* JD 4450, 140 HP, 4WD, PS, cab
* JD 4450, 140 HP, PS, cab, duals

NEW COMBINES IN STOCK
Waiver until Sept. 1, 1984

* JD 6620
* JD 7720 2WD
* 2 JD 7720 4WD
* JD 643 corn heads
* JD 216 flex platform
* JD 220 flex platforms
* JD 653A row crop head

MISCELLANEOUS

* JD 450 spreader
* JD 235 disc, 19'11"
* JD 148 loader
* JD 260 loader
* JD 1008 rotary cutter 10'
* JD 1408 rotary cutter 14'
* JD 8300 drill 21x7
* Woods HD 315 15' batwing mower

We Cater To ALL Farmers, BIG or Small

JOHN DEERE **Cooper Ent., Inc.**
Box 12 Cecilton, Md. 21913
301-275-2195 301-648-5416
301-755-6608
Evenings Call Gary 301-885-2248
or Billy 778-6024

FORRESTER FARMS
1337 Lincoln Highway East
Chambersburg, PA 17201
Phone: 717-263-0705
Sales - Parts - Service

LONG

New Long 610, 64 HP, $10,254
New Long 510, 48 HP, $8,510
New Long 460, 41 HP, $7,981
New Long 310 DTC, 28 HP, $8,647
Long 1550 loader, $3,500
Long 1549 loader, $2,400

Also check year end Nu-Way Irrigation Sale on model numbers 1576, 1560, 1820, 1553 & 1554.

There is a price rollback from Long to 1981 prices.

No interest charge until April 1, 1984.

Interest charge is at 8¾% after April 1, 1984

¼ Mile East of Exit 6 I-81 on U.S. 30
Hours: 8:30 - 5:00 Mon. - Fri.
8:30 - 12:00 Saturdays

USED FARM EQUIPMENT

JD model 50 tractor
JD 4240, like new
JD L Tractor w/plow & cultivators
MF 220 tractor, 26 HP w/mower
MF 1085 tractor
IH 1086 tractor w/cab
JD F125, 4x16, 3 pt. plow
JD F145A 5x16 semi-mount plow
JD F350 4x16 hydraulic reset plow
JD 11' field cultivator
Freeman loader for MF 135 tractor
NI 208 spreader
JD 336 baler w/ejector
JD 346 baler w/ejector
NH 855 round baler, 2 mth. old, like new
JD 14T baler w/#2 ejector
JD 567 6 wheel rake, like new
IH 56 corn planter w/disc openers
JD 494A Planter
JD 7000 4 row conservation planter
JD 8300 grain drill, dd openers, 21x7
JD FBB 13x7 grain drill, excell. cond.
JD FBB 17x7 grain drill
JD FBB 17x7 grain drill for parts
JD 444 corn head
JD 6620 sidehill combine w/15' flex platform

NEW FARM EQUIPMENT SPECIALS

JD 2440 Tractor w/Hi/Lo Shift, Roll Guard & Canopy, 16.9-30 Rear Tires $18,000*
* Above prices include JD rebates.

	L.P.	S.P.
JD 950 Roller Harrow 12'	6133.00	5250.00
JD 90 Skid Steer loader	10,633.00	8495.00
JD 146 loader	3576.00	2750.00
JD 1550 power tail seeder .	10,996	6595.00
Artsway forage boxes, 16', 3 beater w/roof	5287.00	4895.00

PACE VISA

NEUHAUS'ES INC.
John Deere Sales & Service
RD2, York, PA 17403
Phone - 717-428-1953

USED EQUIPMENT

TRACTORS

AC 7080 Cab-Air-Heat
Case 1370 Cab-Air-Heat 24.5x32 Radio
Case 1090 18.4x38 (New) Power Shift
Case 1170 Cab-Heat 8 Spd. 20.8x38
Case 900 w/Pulley
Case 2090 Cab
Oliver 770D

Waiver of Finance - Used Tractors - Dec. 1, 1983

8.8% Financing on Used Tractors

FORAGE

Fox HA Harvester
JD 3800 Harvester
Hesston Blower
JD 115 Forage Box
Farmhand Rake

MISCELLANEOUS

Case 12' Disc Harrow
Wetmore 878 Grinder Mixer
Case 1800 Chisel
ArtsWay 420 Grinder-Mixer

NEW IDEA

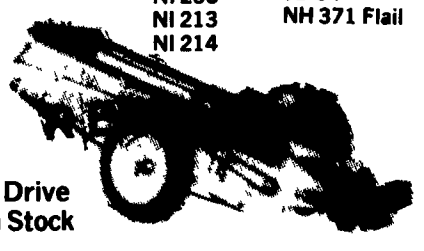
325/314 Picker Sheller
323 Pickers
325/327 Pickers
702 G Power Unit
702 D Power Unit
710 Combine
743 N Head
767 Harvester
738 4RN Head
272 CutDitioners

LOADERS

Uni Loader Broom
1845 G Hough Wheel Loader
White Backhoe
MF 20C Tractor Loader
Case 1830 Uni-loader
Mustang 330 Skid Steer
580C Loader-Hoe

SPREADERS

NI 206
NI 213
NI 214
JD 54
NH 371 Flail



206 Ground Drive Spreaders In Stock

A.L. HERR & BRO.
PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

case | AVCO NEW IDEA | GEHL Gets into your system | BUSH-HOG

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

SMITH'S IMPLEMENTS, INC.

Mercersburg, PA 717-328-2244

USED MACHINERY

JD 4040 Tractor w/148 loader, SG, PS, Air, Radio, 1359 Hrs. excellent $29,000.00

7000 JD 4 Row Dry No-Till Planter $6,000.00

7000 JD 4 Row Dry Planter $4,500.00

1440 JD 4 Row Dry No-Till Planter $3,200.00

JD 336 Baler w/30 Ejector (like new) $4,200.00

NI Uni System 1978 model, 709 power unit Diesel, cab w/air, rear wheel drive, low hrs.

767 Chopping Unit w/3 row wide or narrow corn head, 1 yr. old pickup head, 717 combine w/4 row head, ex. cond.

Plus Several Good Disks & Plows To Choose From

JOHN DEERE *Nothing runs like a Deere*

SPECIALS OF THE WEEK

NEW HOLLAND & H&S BOX SPREADERS

JD #27 FLAIL SHREDDER

NEW TRACTORS
JD 4250 SG, PS, MFWD
JD 4050 SG, PS
JD 2950 SG, MFWD
JD 2950, SG
JD 2750
JD 300B Loader & Backhoe
JD 850

NEW HAY & FORAGE EQUIPMENT
NH 782 Fg. Harvester
JD 5440 SP Fg. Harvester, 4 WD, 1180 hrs.
JD 3940 & 3960 Fg. Harvester
JD 347 Baler
JD 327 Baler
JD 430 Baler
NH 311 & 316 Balers
NH 488, 495 & 1495 Haybines
NH 256 Rake
JD 670 Rake
JD 660 Rake
H&S Fg. Wagon
H&S Bale Wagon
New Hay Tedders

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 4B Plow
Haybuster No-Til Drill Also for Rent

NEW SKID STEER LOADERS
NH 445, 555
Bobcat 643, 743

NEW SPREADERS
NH 519, 679, 791
Martin 2400 V Type & F1466 Scavengers
H&S 260 & 295 Spreaders

NEW PLANTERS
JD 7000 6 Row Consv.

USED TRACTORS
JD 4010
JD 3020
Farmall A w/Hyd. Lift
MF 265
MF 202

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 7000 6RN Cons.
JD 7000 6RN w/min. till attach.
White 5400 6RN Plateless

USED HAY & FORAGE EQUIPMENT
Hesston PT10 Mower-conditioner
NH 479 Haybine
JD 2 Row Narrow Corn Heads
NH 2 Row W 880 Head
NH 269 Baler w/Thrower
NH 78 Baler
JD 24T Baler
Hesston 1010 Swing Tongue

MISCELLANEOUS
Oliver Fertilizer Spreader
JD 790 Flail Spreader
V1575 Martin Spreader
Post Hole Digger
Saver Post Hole Driver

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
Demco Sprayer 600 gal.
JD #27 Flail Shredder

Ask About Waiver of Finance on NH & JD Equipment

Cherokee 235 Airplane only 395 T.T.
I.F.R. Equipped.....$19,900
Call 717-263-1518

CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103

bobcat | SPERRY NEW HOLLAND

Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
JD 820 3 cyl Diesel
MF 275 Diesel w/Loader, like new
MF 265 Diesel
Oliver 66
Ford 600 w/3 pt. Hitch

TILLAGE EQUIPMENT
AC 3 BTM 16" 3 pt Plow
JD F-145 5 Btm Plow
IH 3 Btm 2 pt Plow
JD 2 Btm 3 pt Plow
JD 10' Cultipacker
10' Poperville Packer
JD AW 12' Disk
McCurdy Harrigator
JD 7' 3 pt Disk

MISC. EQUIPMENT
JD 300 Corn Picker
Case 330 Baler w/Thrower
Gehl 9' Mower Con
IH 55T Baler w/Thrower
IH 707 3 pt. Harvester Thrower for MF Baler
Sauder Loader (Like New)
Ontario Grain Drill

NEW EQUIPMENT
7-Shank Soilmaster $5,150.00
JD 1710 Mulch Tiller $4,995.00
Grain-O-Vator $4,500.00
Moore 10' NoTill Drill $10,500.00
GT 370 Dryer $7,500.00
Badger Blower $1,995.00

SUPER SPECIAL
Badger Ear Corn Mill
Demo
$8,900.00

PIKEVILLE EQUIPMENT, INC.

R.D. 2, Oley, PA
Phone: 215-987-6277
Berks County's Full Line John Deere Dealer-
Serving The Oley Valley 47 years 1936-1983

LOST CREEK IMPLEMENT

Oakland Mills PA 17076
717-463-3511 463-2161

JOHN DEERE

New 1982 6620 Sidehill Combine w/215 Flex & 643 Corn Head
Waiver until September 1984

GREEN VALUE USED EQUIPMENT

TRACTORS
JD 2440 tractor, w/146 loader
15 HP Satoh Beaver diesel, 4WD, $3,100
IH 400 tractor, $2,200 nice!
JD B tractor, excellent, $1,000
8N Ford, sharp
Clark fork lift, 4000 lbs lift

PLOWS
JD F350, 4 bottom 16", $2,200
JD 145 plow, 5 bottom 16", $2,500
JD 1250 4-16
JD 145 4-16

DISCS & HARROWS
JD 12' drag harrow, $575
JD KBA transport disc 10', $1,095
IH 10' disc, transport disc, $950
AC drag disc
Case 7' Drag disc, $195
JD BW disc 10', $1,095

DRILLS & PLANTERS
IH 56 4 row insecticide
10' Moore no-till drill, used 300 acres
494A planter
5400 White 6 row no-till

HAY & FORAGE
NI forage blower $895
JD 24T baler w/30 ejector, $2,495
JD 1 row snapper head, fits JD 35, 38, 3800 & 3940 harvesters
Grimm hay tedder, $975
IH 440 baler w/thrower, $3,750
JD 24T baler w/#2 ejector, $1500
NH 818 harvester w/4 heads, $795
JD 38 forage harvester w/2RC
JD 16A flail chopper

MISCELLANEOUS
IH 540 manure spreader, very good
MF 160 spreader w/hyd endgate, good, $1,395
NH tank spreader
JD 227 picker for parts
7' heavy duty 3 pt blade, $625
96" bucket for 145, 146, 148, 158 loader

JD Finance Waiver & Rebates On Most New Items!

Enclosures for 4 post ROPS

USED EQUIPMENT
Taylor-Way 14' Disc
Loader for AC 160
NI 10 Ton Spreader
Ford #535 Mower Cond.
NH 358 Grinder Mixer w/scales like new
IH 1150 Grinder Mixer w/scales like new
438 Corn Head for L or M Combine
14' Cultimulcher, Like new

USED TRACTORS
AC 7080, low hrs.
AC D17 Diesel
Oliver Super 55 Tractor
Case 2290, like new
Farmall H for Parts
Used Lawn & Garden Tractors w/mowers

NEW EQUIPMENT AT USED PRICES
Many Models
New Holland Spreaders

NEW EQUIPMENT
Amco Disc
Bale King Hay Wagons
NH Skid Loaders
Hub Tool Elevators formerly N.H.
Gleaner Combines

NEW HOLLAND MANURE SPREADERS

FULL LINE OF AC TRACTORS INCLUDING THE NEW 8000 SERIES CALL FOR DISCOUNT PRICES.

BHM FARM EQUIPMENT INC.
RD1, Annville, PA
717-867-2211

Ford Tractors Equipment | SPERRY NEW HOLLAND

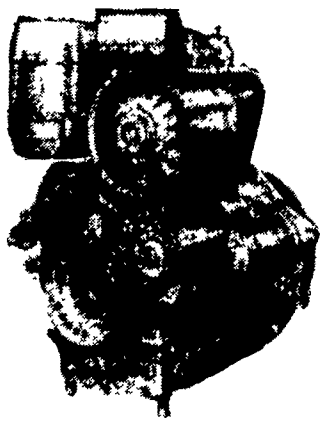
TRACTORS
Ford TW10, 1200 hrs. no cab
Ford 8000
Ford 1500 w/Ag-Tech Loader, 306 hrs.
Ford 8N
Ford 445 Backhoe Loader
Ford 535 Tractor/Loader/Backhoe
Ford 4500 Backhoe Loader
Case DC
AC WD w/mid mount mower
AC D17
900 SOS Diesel
900 SOS Gas
OMC Skid Loader

EQUIPMENT
IH 315 Combine 3 R Narrow Head & 11' Grain Head
IH 830 Fg. harvester, Corn & Hay Heads
JD 20' Harrow on wheels
IH #14 Rake
NH #258 Rake
NI #270 Cut/ditioner
Bearcat #72 Flail Chopper
IH #27 Baler w/#10 Thrower
NH 1010 Bale Wagon
Lanco 14' Fg. Wagon 3 btr. Running gear & box.
Ford 9 tooth Soil Saver
NH 518 sgl. btr. spreader
Lawn & Garden Tractors w/Mowers & Snow Blowers

CHARLES S. SNYDER INC.

RD3 Tamaqua, PA 18252
Phone: 717-386-6945

NO. 1 DAIRYING DIESEL



Since 1968 F2L-912 diesels have earned the reputation as the most reliable diesel. Don't settle for less.

2 Cyl. F2L-912

EASIER STARTING: Heavy flywheel provides easy starting. No electric heater plugs.

QUIETER: Runs quieter than most water cooled diesels. Very quiet exhaust.

F2L-912 SPECS: 20 Hp @ 1500 RPM
25 Hp @ 1800 RPM
32 Hp @ 2300 RPM

It has direct injection, lube oil cooling, and oil cooled pistons. This engine has proven to survive the extreme heat of a heavy load in a small engine house better than any other engine.

PLUS - FAMOUS DEUTZ FUEL ECONOMY

Stauffer Diesel Inc.

312 W. Main St. New Holland, PA
Ph: 717-354-4181
Retail, Wholesale & O.E.M. Sales

Sweigard Brothers

RD #3
Halifax, PA 17032
717-896-3414

FORD TRACTORS
New TW 20 w/cab, 4wd, air
New Ford 4610
New 6600
New Ford 7710 w/Sycro. Trans.
Used Ford 1405B 16" Auto Reset Plow. Ex. Cond.

SPERRY NEW HOLLAND

NEW HOLLAND
New TR70 Combine w/cab, air, heater, w/cat. engine and lots of extras
13' flotation header and cutter bar, w/hume reel
962 N4 corn head
New NH harvesters - 707, 718, 782
New L35 gas, L325, L555 diesel, skid loaders
New 353, 358 Grinder-Mixers
New 367 Tank Type Manure Spreader
Used 975 Combine w/11' head
Used 718 Harvester w/2 heads

AVCO NEW IDEA

NEW IDEA
NI 406 rake
NI 323 one row corn pickers
NI 213 Manure Spreader
NI 3 pt. Hitch Fertz. Spreaders

New Glencoe 12'9" Finishing Harrow
Used JD 340 Disc Harrow
Used IH 550 Harvester w/Windrow PU & 2R Corn Head

FARM EQUIPMENT

Wanted
Corn head for 2100 Fox forage harvester, narrow or wide.
York County
717-225-3616

TRACTORS
Case 930 Dsl, WFE
MF 175D 8 speed
MF 135G
MF 235G
JD 1520 Diesel
JD 2010G
AC D17, PS
AC D15 Series II
AC WD45
Farmall Cub w/mower
Farmall 504 3 pt.
Ford 9700 Dual Power
Ford 8000 Tractor
Ford 7000 Fully Equip.
Ford 5000 D
Ford 4000, live PTO
Ford 3000 8 Speed
Ford 2000, PS
David Brown 1200
David Brown 780
Satoh Elk w/mower
NI 323 cornpicker
JD 18' wing disc
MF 33 Grain Drill
NI 206 Spreader
NI 216 Spreader
JD #25 Combine
MF 6' Rotary Cutter
NI 402 rake
NH Flail Chopper

TRACTORS & LOADERS
Ford 4000 w/3 pt.
(2) 3400 3 pt.
Satoh 650 PS
Ford 9N
Ford CL40 skid loader
Ford 801 backhoe

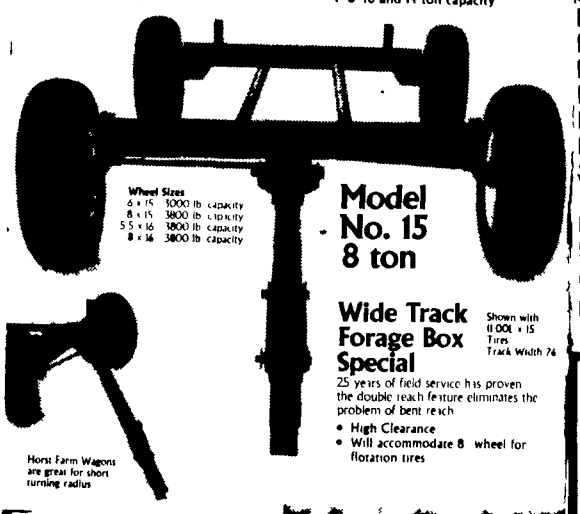
KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

AC 7000 Dsl. Tractor
AC 5040 Tractor
AC 200 Tractor w/Cab
AC 185 Tractor
AC 160 Dsl. Tractor w/ Loader
AC 160 Tractor
AC C Tractor & Cultivator
NI 324-327 Corn Picker
OMC #83 Grinder Mixer
8C Hydra-Mac Skid Loader

ROY H. BUCH INC.
Ephrata
717-859-2441

SHULER EQUIPMENT SALES
RD #1 Box 228
Shuler Road
Shermansdale, Pa. 17090
717-582-4365 anytime
ACRES OF USED AND RECONDITIONED FARM EQUIPMENT AND TRACTORS
Also
ACRES OF USED EQUIPMENT AND TRACTOR PARTS.
WE WILL BUY OR TRADE YOUR USED EQUIPMENT IN ANY CONDITION.

HORST FARM WAGONS
Horst Wagons with the honest ton rating and no sway training
4 models to choose from — 4 8 10 and 14 ton capacity


Wheel Sizes
6 x 15 3000 lb capacity
8 x 15 3800 lb capacity
5.5 x 16 3800 lb capacity
8 x 16 3800 lb capacity
Model No. 15 8 ton
Wide Track Forage Box Special
Shown with 11.00L x 15 Tires Track Width 76
25 years of field service has proven the double reach feature eliminates the problem of bent reach
• High Clearance
• Will accommodate 8 wheel for flotation tires
Horst Farm Wagons are great for short turning radius
The double reach provides adequate flexibility for good ground clearance

John N.M. Zimmerman
RD 6
Lebanon, Pa. 17042
Phone: 717-933-8181
or
717-933-4032

FARM EQUIPMENT

FARM EQUIPMENT

Used Equipment Specials...
Case 646 Loader and Backhoe
Used wood splitters
Woods 80" 3 pt. Rotary Mower $750
B 7100 4 wheel drive Kubota, 500 hrs. ~~Was $4,500~~ . . . Now $3,995
PiX tone 30" Stone Picker $595
Farmall Super C w/Sickle Bar, Excellent Cond. $1,250

New Equipment Specials...
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3 pt. Hookup Cement Mixer

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JD 205 Corn Head $500
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Ford 8600 1972 w/dual power
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(2) JD 2130 1974
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JD 3120 1969
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JD 3130, cab
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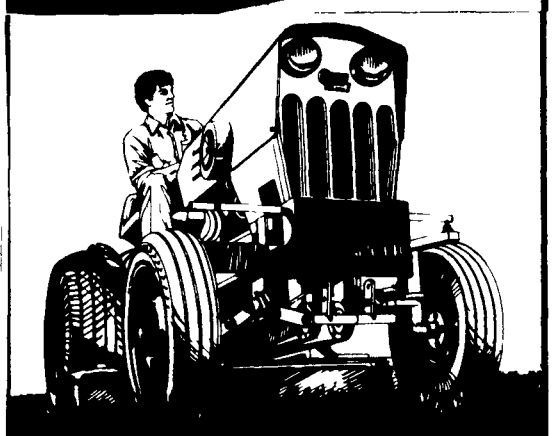

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NI 484 Round Baler w/Elec. Tie — $8,525.00
NI 509 9Ft. Mower Conditioner — $7,095.00
NI 565/560 Baler w/Bale Thrower — $8,925.00
NI 404 Wheel Rake — $1,150.00
NI 406 (9½ft.) Bar Rake w/Dolley Wheel — $2,095.00
NH Dual Rake Hitch — $465.00
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866 Uni Pickup Head — $3,125.00
767 Forage Harvester (6 knives) — $9,150.00
766 Pickup w/Gauge wheels — $2,395.00

NEW CORN PICKERS

324/327 2 Row Wide w/12 Roll Husking Bed — $9,750.00
325/327 2 Row Narrow w/12 Roll Husking Bed — $11,650.00
323 Single Row Picker — $6,225.00

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MANURE SPREADER

NI 245 (10 Ton) M SOLD preader w/Single Beater — $6,990.00
NI 213 (176 Bu.) Manure Spreader w/Single Beater — $3,395.00
NI 214 (206 Bu.) Manure Spreader w/Single Beater & Pan Att. — $3,995.00
NH 679 (275 Bu.) Manure Spreader w/Hyd. Endgate, Pan Att. — $6,495.00
NH 791 (350 Bu.) Manure Spreader w/Hyd. Endgate — $7,995.00
NH 519 Manure Spreader w/Upper Beater & Hyd. Endgate — $5,795.00
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USED EQUIPMENT

TRACTORS

AC 7020 P.S. w/Cab & Air & Fully Wgted. . $18,900.

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NI 324/1327 Cornpicker 2 Row Wide w/12 Roll Husking Bed
AC KKS Combine (1976) w/10 Ft. Header
MF 300 Combine w/Cab & 10 Ft. Header
MH 82 Combine
2-MF QT 24 Corn Head (2 row wide)
AC KL 238 Corn Head (2 row wide)
AC A430 Corn Head (4 Row Narrow)

USED HAY EQUIPMENT

2 NH 320 Balers w/Bale Thrower
NH 282 Baler w/Bale Thrower
IH #37 Baler w/Bale Thrower
NH 489 Haybine
NH 479 Haybine
IH 990 Haybine
JD 1209 Haybine
OMC S.P. Haybine
Hesston 5600 Round Baler
NI 256 3 PT. Sickle Bar Mower

USED UNI EQUIPMENT

709 Uni Tractor w/Cab & Air, Rear Wh Assist & Fully Weighted
706 Uni Tractor w/Cab & Heater
2-702 Uni Diesel Tractor w/o Cab
702 Uni Gas Tractor w/Cab
702 Uni Gas Tractor w/Cab
717 Uni Combine w/713 Grain Head
713S Grain Platform
2-767 Super Chopper Forage Harvester
760 Forage Harvester
774 4 Row Chopper Head
2-762 2 Row Wide Chopper Head
3-766 Pickup Heads
724 3 row Wide Stripper Head
744 N 4 Row Narrow Stripper Head
729 A Supersheller
770 Ear Corn Adapter

USED FORAGE EQUIPMENT

NH 707 3 PT. Mount Forage Harvester w/Corn & Grain Head
NH 822 2 Row Narrow Chopper Head
NH #36 Flail Chopper (6 ft)
Brady #722 Flail Chopper (6 ft)
NH Super 23 Forage Blower

USED MANURE SPREADERS (Field Ready)

NI 244 (325 Bu.) Manure Spreader w/Hyd. Endgate
NI 218 (318 Bu.) Manure Spreader w/Hyd. Endgate
NI 213 (166 Bu.) Manure Spreader w/3 Beater
Hawk Built 187 RH (180 Bu.) Manure Spreader
Starline 930 Tank Spreader L.H. 200 Bu.

USED SKID STEER LOADERS

NH L325 Skid Steer Loader w/54 Bucket
Hydra-Mac 8C Skid Steer Loader w/52" Mat. & Man. Bucket
Gehl 4400 Skid Steer Loader w/4 Buckets

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- **Waiver on Spreaders & Grinder Mixers to 4/1/84**

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	Models 311 316 320 426 Balers	Pull-Type Windrower or Mower-Conditioners	Round Balers	Models 707/ 718/782 892/1600 Forage Harvesters	Models 1003 1036 1037 1052 Bale Wagons	Models 1100 1116 1495 Windrowers	Models 505 1426 Balers	Models 1068 1069 1075 Bale Wagons	Models 1900 2100 Forage Harvesters
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INT. 475 DISC
JD-BW DISC
JD 5020 tractor
MOTT MOWER - 48 In.
JD 54 Manure Spreader
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
Oliver 5x16 Plow
JD 1250, 4 btm. plow
1-JD AW disk harrow, 14'

NEW EQUIPMENT
JD 415 Rotary Hoe
JD 347 W Baler
JD 7100 8-row 20" bean planter
JD 950 - 12 Ft. Roller Harrow
JD 7000 - 4 Row & 6 Row Conservation Planter
JD 45 Blade - 8 Ft.
JD 45 Blade - 7 Ft.
2 - JD 506 Gyramor
2 - JD 606 Gyramor
JD 660 Rake

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Dion 2 btr. 16' forage box w/8 ton NI gears, $1600
NI 272 cutditioner excellent condition $2785
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NI model 224 spreader w/hyd. gate, Gratz chain, good cond., $3,000 - $3,400
NI 218 spreader with hyd. gate, cylinder & hoses, flotation tires, Gratz chain, good cond. $3700 - $3,200
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856D ..... Coming in
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4320 ..... $10,950
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"D" - Antique $2000
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From 30 HP to 175 HP

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Deutz 10006 - HWD - Nice ..... Coming in

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9000 ..... $6500
5000D $5450
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1755 ..... Coming in
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Both Have 3 Pt., PTO, Cab, Air, Etc.
Your Choice **$14,250**

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- 6' 3 pt. blades $195
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- 165 bu. gravity bins $475
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- 1 x 3 pt. plow $295
- 2 x 3 pt. plow $495
- 3 pt. bale mover $150
- 3 pt. potato plow $95
- 3 pt. subsoiler $150
- 3 pt. spike harrow ..... $500 & $600
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- 8 ton wagon w/goodies $575
- 10 ton wagon w/goodies $625
- 11 ton tandem w/goodies $950
- 12 ton wagon w/goodies $950
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- 6' 3 pt. rotary mower $695
- 4' pull rotary mower $675
- 5' pull rotary mower $695
- 6' pull rotary mower $895
- 6' 3 pt. stone rake $495
- 7' 3 pt. stone rake $525
- 8' 3 pt. stone rake $545
- Speedy 1200 bushel corn cribs $895
- 3 pt. cement mixers $595

SNOW BLADES
4' to 7'

MANURE SPREADERS
Badger Honey Wagon
Clay Honey Wagon
Hawkbilt Tank
NI 1x & 2x (Tandem)
IH - NI - AC

STACKER
Hesston 10

STACK MOVERS
Hesston 10W
Hesston 30
JD 200
3 pt. Stabbers

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JD 35 - 25
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AC 720
(100) Extra Heads

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(Roto Bars)
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JD 671 - 50 - 640
NI
4 Star Wheel Rakes

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Ford 309
MF 2x 3 pt.
IH 56 (4x) 2x FH
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(Some Resets)
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Ford - 1x - 2x - 3x
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Case 4x
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Ford 536
Hesston PT7

(25) COMBINE CABS

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NH 273 - 69 - 66
JD 14T
Ford
Case 230

ROUND BALERS
JD 410
Gehl 1500
Hesston 5600

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NH - IH - AC - Gehl

CHISEL PLOWS
7' & 12' & 10'
"V" Chisel

ROTOVATORS
Long 63" & 71" & 55"
Lely Roterra (13')

SPRAYER
150 gal. 3 pt.

TRANSPLANTERS
1x & 2x

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JD 4400
MF Super 35
IH 82 Pull Type
Case 660
(2) JD 45EB

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MC 600 & GT 270

DISCS
IH from 6' to 24'
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Total of 50 to select from

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JD - IH - Glenco

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IH 10 - 16 Disc
JD FBB - 11 Disc
JD FBB - 13 Disc
JD VB - 11 Disc
JD 1500 - No Til
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Ontario

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18.4x28 16.9x38
16.9x34 18.4x38
18.4x34 20.8x38

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1974 Ford Truck Tractor
1976 Ford Diesel w/24' Rollback
1978 Chevy 4WD Pickup
1980 Chevy Diesel Pickup
1978 Chrysler Cordoba
1982 Ford F150 Pickup
1980 Buick Regal
1979 IH Tandem Rollback
1982 Ford Granada

LOADERS
Ford - JD - IH - Freeman Souders

POTATO DIGGERS
1x & 2x
1x plows

ROTARY HOES
2x - 3x - 4x

ROTARY MOWERS
Used 5' to 13'
New 4' to 6'

WAGONS
All Makes & Types

FEED MILLS
NH 352 - 357
OMC 424
Hammermills

LIME DRILLS & SPREADERS
JD & Case
Calhoun Tandem Axle Spreader

CORNPICKERS
NI 319 - 305 - 325 - 323 - 7 - 324
Ford 1x 3 pt.

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251 SOUTH RACE STREET, MYERSTOWN, PA 17067
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NIGHTS, PHONE: 717-866-7147 or 717-273-9089

ONE STOP SHOPPING - FINANCING AVAILABLE - TRADES WELCOME - REASONABLE PRICES

WENGER'S IS E-X-P-A-N-D-I-N-G TO SERVE YOU BETTER
Used Parts — East Coast's Largest

(100) COMBINES - SALVAGE
JD 7700-6600-4400-3300-55-45-40-12A
IH 815-615-315-403-303-203-205-105-101-93-91-141-127-64-76
MF 760-510-410-300-92-82-72-35-26-Clipper
Gleaner CII-EIII-A-E-60
Uni 704-702-701-717-710-Etc.
Case 960-660-600
NH 975-985
MM 4296-Oliver 525
Over 100 Corn & Grain Heads For Salvage

(100) HARVESTERS - SALVAGE
JD 38-35-34-12-8-6
IH 650-550-55-50-350-16-15
Fox 2200-2000-1000-546-FA
NH 880-818-800-S717-717-770-616
Gehl 600-300-188-84-83
Case 300 Ford & Papec

(50) BALERS - SALVAGE
JD 214T-24T-14T
NH 269-78-569-69-68-67-66
IH 57-47-37-27-55-45
Oliver 720
MF 10
AC 303
Case

HAYBINES - SALVAGE
IH 225-201
JD 480
NH 490-460
Hesston PT10
OMC 29-25
Case 950

PICKERS - SALVAGE
NI 331-311-305-10-7
JD 237-227
IH 2MHD-2MH-2ME
Ford Blue 1 Row & 2 Row Woods

SPREADERS — CORNPLANTERS — HAY CRUSHERS — BLOWERS — CORN SHELLERS — CULTIVATORS — PLOWS — CULTIPACKERS — CULTIMULCHER — DRILLS — RAKES — SICKLE MOWERS — NI 7' & 9' CUT DITIONERS

CONSTRUCTION ITEMS - SALVAGE
Crawlers:
Cat D2-D4-977-933-951B
JD 350-440-420-40-MC
IH 175-100-TD14-TD9-TD6-340-500
AC HD4
Oliver OC46-OC3-OC6-HG
Case 310
Lots More Incidental Items

Backhoes:
Case 680-530-320-210
IH 3444-3600-3514-350
Ford 4500-4400

Skidders:
JD 540 A & B

Skid Steers:
Case 1737
Melroe 444

PARTS CALLS TAKEN
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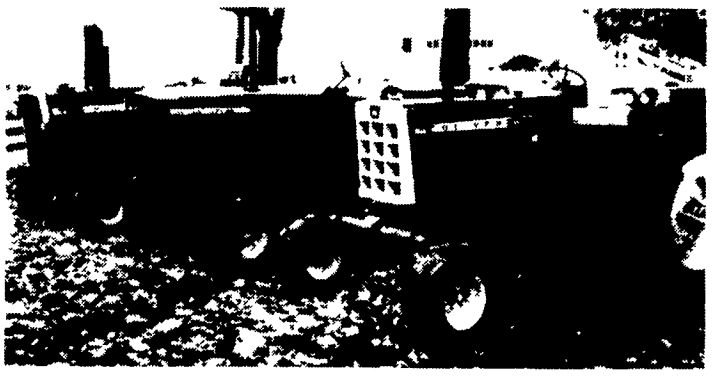
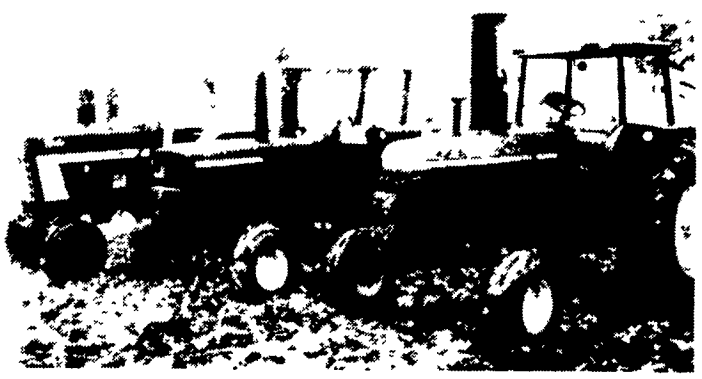
7:30 AM to 12:00 NOON SATURDAY
(Please, No Calls After Hours)
PROMPT SHIPMENT - CASH SALES ONLY

CLEAN N.I. UNI SYSTEMS
(Mix & Match Attachments)
- Tractors - 706D w/Cab, 705D w/Cab 702 w/Cab
- Husking Beds - 727, 726, 721
- Harvesters - 767, 760
- Sheller - 729A
- Pickup Heads - 766, 761
- Grain Heads - 715, 713, 711
- 4 Row Cornheads - 844N, 738, 731
- 3 Row Cornheads - 743N, 735, 725, 763, 724
- 2 Row Cornheads - 723, 762
- High Moisture Throat For 760
- Combines - 710

FARM TRACTORS FOR SALVAGE (OVER 2000)
Most Makes And Models



100 PLUS HORSEPOWER
• MF 1105-1973 • JD 4520-1969 • Oliver 1950T - 1968
All Decent Tractors, Properly Equipped
YOUR CHOICE **$8950.00**



100 PLUS HORSEPOWER
• IH 1066 w/Cab - 1973 • JD 4320 w/ROPS - 1972
• JD 4230 w/ROPS - 1976
All Decent Tractors, Properly Equipped
YOUR CHOICE **$11,950.00**

CULTIVATORS
Ford 2x - 4x
JD 2x - 4x - 1x
IH 2x - 4x - 1x

TRACTOR CABS
(4) Used for JD 4020 ..... $350 to $1000
Used for Ford 6000 . $775
New for Ford 5000-7000 ..... $1800
(5) New for MF- 275 to 1155 ..... $2000
(10) Used Rollbars . . . Call
New Cooler for Cab . $500
(2) Used for IH 66 - Nice $1500
Used For JD 4230 . $1250

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11' & 12' & 13' Cultipackers

FLAIL CHOPPERS
JD 16A - 15A
Gehl 72
NH 36
MC

ELEVATORS & AUGERS
LG Corn Drags
Cardinal 56' 8" Auger
NH 36'
Case

CORNSHELLERS
JD 43 3 pt. & pull type
MM 1200
JD 6
NI For pull & mtd.

SKID STEER LOADERS
OMC 1700
Diesel $6500
IH 4150
Diesel $11,500
Melroe 720 .... $8500
Melroe 611 .... $6500

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NEW 1984 TRAILERS ON SPECIAL
• 2 Axle, 4 Ton $1450

BACKHOES
Case 530 . . . Coming in
Ford 7500 . . . $19,500
Ford 4500 . . . $10,500
Long 5 in 1 . . . $16,500
IH 3400A $8950
IH 3820 ..... $16,500
MF 70 ..... $16,500
Ford 4500 .... $7500
Ford 4500 .... $9500
IH 3600 ..... $8500
Case 580CK . . . $6900
Case 580B - Cab - Extendahoe . . $13,500
Case 580B - Ford 8N $3500
As Is $8000
Hein Werner C12 ..... $8500
IH 3444 ..... $7500
Ford 5500 . . . $12,500
Case 580 CK . . $5900
IH 260A . . . . Coming in
Ford 3400-7500 . . $14,500

BACKHOE ATTACHMENTS
IH 3 pt. $2500
Sherman $2000
JD 93 ..... $3500
JD 93A $4900
Case $2000
McConnell . . . $2200
Long - New . . . $4450
AC $2000

CRAWLER LOADERS
Cat 951B - As Is $9500
Cat 955H $16,500
Cat 951B $21,500
JD 350B w/Backhoe . . . $18,500
Cat 977L $68,500
JD 350 w/4 in 1 ..... $8950
Case 350 ..... $8950
IH 340 - Gas . . . $4000
Cat 941B $26,500
Cat 955K . . Coming in
AC FL10B . . . $18,000
Case 450 w/Hoe $11,500

DOZERS
Cat D8H $19,500
AC HD7 . . . . $3000
JD 450 - 6 Way $12,500
Cat D4C $12,500
IH TD8C $18,500
JD 2010 ..... $4500

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1974 IH Diesel w/9' Body - Air Brakes. $10,900
(2) Mack 25 Ton Rock Trucks. ..... Call
(3) Mack 20 Ton Rock Trucks. ..... Call

TRACTORS WITH LOADERS
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Ford 8N $2650
JD 300 ..... $6500
JD 400 ..... $7500
MF 35 ..... $3850
IH 2400 ..... $7500
IH 2400 . . . . Coming in

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(40) Used hoe buckets . . . From $100
(25) Loader buckets . . . From $100
(30) Set forklift forks . . . . . From $300
(6) Winches . . . . . Call
Wayne 984 Diesel Street Sweeper $8950

LOG SKIDDERS
JD 440B $13,500
(2) JD 540A . . $13,500
JD 540B - BURNED $8500

RUBBER TIRED LOADERS
OMC 770. . . . $17,500
Trojan 154 . . . . . $300
JD 544 . . . . Coming in
JD 644 . . . . Coming in
Ford A62 1978 Nice $27,500
Michigan 125 . . $6000

TRAILERS
1984 2X 4 Ton ..... $1450 & $1600
1978 2X 6 Ton . $2650
1983 3X 9 Ton . $4400
1983 1X 2 Ton . $1150
1984 2X 12 Ton $5800
1978 Freuhauf - 42' Flat. $7500
1983 2x6 Ton . . $3600
1977 10 Ton 5th Wheel $3950
Used 6 Ton $2250
Used 9 Ton $2750
Used 25 Ton . . . $3500
Used 15 Ton . . . $3500
Freuhauf 40' Flat. $2500

FORKLIFTS
Int. 7000 - 21' $10,500
Int. 4500B - 21'. $12,500
IH 544. ..... $5000

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KUBOTA

Available - 10.5% Financing On All New Kubotas

IH New 1420 Combine Now With Unbeatable Rebate
Used 1440 Combine
Used IH #10 16x7 Grain Drill w/Seeder & Fert.
Used IH 1150 Grinder Mixer
Used 2 Sets of Flat Top Fenders for 06, 56 Series
Used NI 305 Mounted Picker, 4M, 656

ALL ABOVE USED EQUIPMENT IN EXCELLENT CONDITION

1300 3 pt. sickle mower
NH 450 [SOLD] oar, 3 pt.
JD 336 [SOLD] er w/kicker
NH 315 baler, good cond.
JD 3800 forage harvester both heads, good for parts or fix it yourself
MF 4R planter - 50 acres
AC 600 planter SOLD cheap
JD 1240 planter
IH 37 baler
JD 246 2 R planter, 3 pt.
Oliver 15 row grain drill, good cond.
JD 110 disc
IH 480 disc, new blades, w/cyl.
1975 CJ5 jeep, new top
1650 Cub [SOLD]
Gehl Blower
NH 717 Chopper
NI 324 picker, excell.
105 Cub Cadet, hydrostatic
IH 350 Diesel, fast hitch, power steering
JD 2510 diesel, excell.
IH 2400 Ind. tractor w/6 way heavy duty front mtd. blade - ideal for snow
IH 454 utility tractor w/loader, overhaul
Farmall 560 D
Farmall 350 D, w/fast hitch
JD 50 tractor w/corn picker, power steering
IH 455 planter, 4R
JD 440 crawler - loader
JD 440 crawler for parts
JD 34 chopper

TRACTOR & MOTOR REPAIRS

Over 20 years experience with Ford tractors and equipment.
Shop & Road Service
Pickup and Delivery

WALT STIVELY, JR.
Springville Road
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Phone: 717-786-2252

4020 JD 1970 differential lock, $7500
4020 JD 1964 power shift, $5500
1750 Oliver diesel, $4350
2030 JD diesel $5500
MF 285 diesel $7500

Horning's Farm Machinery
Ephrata, PA
717-733-7408

Special Of The Week

Inventory Reduction

ELEVATED CALF STALLS

List $137.80 ea. SPECIAL $60.00 ea.

EQUIPMENT FOR SALE OR LEASE

BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers
Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls

SHOW-EASE STALL CO.
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MF Massey Ferguson

TRACTORS & EQUIPMENT

MF 1155 Tractor
MF 180 Dsl. Tractor
Ford 4000 Tractor
Ford 4000 Turf Tractor
Ford 3500 Tractor & Loader
MF 150 Tractor
AC D17 Dsl. Tractor
MF 40 Dsl. Tractor and Loader
IH Tractor & Loader w/Forklift Attch.
MF 760 Combine w/Attchs.
IH #46 Baler
IH 440 Baler
NH 315 Baler
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
Hesston PT10 Mower Cond.
JD Grain Drill

NEW M.F. EQUIPMENT

MF 285 Tractor
MF 245 Tractor
MF 240 Tractor
MF 265 Tractor
MF 1010 Tractor
MF 40B Tractor w/Loader
MF 40B w/Cab
MF 20 Turf Tractor
MF 34A Loader
MF 236 Loader
MF 236 Loader to fit MF 184-4 Tractor
MF #43 2B Plow
MF 820 Disc Harrow
MF 520 disc harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 18 Scarifier Scraper Blade
MF 124 Baler w/Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades

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Call John Bolton or Gunther

QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

JD 4520 Dsl., Very Good
JD 4630 Dsl., cab, air, quad, 1975
JD 4030 Dsl. Cab and Air
JD 4430 Dsl., cab, air, quad
JD 4430 Dsl., Cab, Air, Syncro Shift, 1975 model
JD 4430 Dsl., Cab, Air, Quad [SOLD] 3 Model
JD 4430 Dsl., WF, Rops
JD 4230 Cab, Air, Quad, 18x38 [SOLD] ual Tires
JD 4230 Dsl. Power Shift, fender tractor, very good
JD 4020 Dsl. Power Shift w/cab, WF
JD 4020 D[SOLD]/F side console
JD 4020 Dsl., WF, dual hyd., 1968
JD 3020 Dsl. WF, side console, rebuilt engine, ex. cond.
JD 3020 Dsl., WF, dual hydraulic
JD 3020 Gas Row Crop
JD 2630 Dsl. WF, Independent PTO
JD 2040D Utility
JD 820D 3 cyl. 8 speed
JD 830D, roll guard, cab with heat and air
IH 986 Dsl., Rops, 1185 hrs.
IH 1086D Cab and Air, 1500 hrs., 20x38 Tires, Very Nice
IH 1066 Dsl. Year Round Cab and Air
IH 1066 Dsl., WF, cab, air, new tires, new TA, excellent
IH 1466 Dsl. Cab, Air, Very Nice
1456 Dsl., WF, dual hyd.
IH 966 WF w/cab 18x38 rubber very nice
IH 856 Dsl. WF 38" rubber, new TA, very good
IH 766 Dsl. WF, w/cab & air, very nice
IH 656 Gas, 3 pt. hitch
IH 504 Gas, w/3 pt.
AC 7000 Dsl. Power Shift, Cab and Air
AC 200 Dsl. w/cab, excellent
1975 Ford 3000 Dsl. w/loader, nice
White 2-85 diesel WFE
White 2-70 Dsl. WF, 1 owner

GRAIN DRILLS

JD FBB 15x7 Fert., Grass Seed, DD
JD FBB 17x7 Fert., DD, Power Shift
JD 8300 10x18 Double Disc, liquid fert. and press wheels, like new

GRINDER-MIXERS

NH 358 w/folding auger (new, priced right)
NH 357
Gehl 95 Real Nice
Brady 950 hydra drive
Gehl 65, excellent

PLOWS -AUTOMATIC

IH 720 5x18 sp. reset
IH 720 4x18 sp. reset
IH 710 6x16 Spr. Reset
IH 710 4x16 Spr. Reset
JD 2500 5x18 Sp. Reset

PLOWS

IH 140 4x16 roll over
IH 3-4-5 base semi mtd.
JD 3 base 3 pt.
White 5x16 semi mtd.
JD 4 & 5 Base Semi Mtd.

DISCS

JD BWA 11'6"
BWF 17' Wing Fold rock flex
JD 210 12'
JD 4000 Double Offset 12'
JD TWA Plow Disc, 28 blade
JD AW 10' Very Nice and 11'6" very nice
Bush Hog 146 Offset, 11', big blades

CORN PLANTERS

JD 7000, 6R liquid fert., w/monitor & insecticide
JD 7000 Consv. [SOLD] 6R dry fert., auger fill, insect and monitor
JD 7000 4RW dry fert, insect., monitor, very good
JD 7000 4RN liquid fert, monitor, sharp
JD 1240 4R plate and plateless, liquid and dry fert, insect. optional
IHC 56 2R disc openers on corn, dry fert., very good

BALERS

JD 336 w/thrower, very good
Hesston 5400 Round Baler
JD 336 Wire w/thrower
NH 277 w/thrower
NH 276 w/thrower
NH 851 Big Round, auto wrap

COMBINES

1975 JD 4400 Dsl., w/cab, choice of heads
1980 NH TR70 cab and air, hydro 3208 cat dsl. 700 hrs., like new w/15' Flex Grain Platform
1979 JD 4400 Diesel, cab and air, 700 hrs., like new
1974 JD 3300 gas w/cab, choice of heads
1978 MF 510D cab & air, very nice, choice of heads
NH 975 Combine, Cab, 13' Quick Tach Platform and Pickup Reel, $3650.
IH 80 & 82 Pull Type Combines like new, cut 200 acres
JD 453A Row Crop Bean Head

GOOD SELECTION OF GRAIN PLATFORMS AND CORN HEADS TO FIT MOST COMBINES

CORN HEADS

AC 430 FG-CII
MF 24, 43,44
JD 243, 244, 343, 443, 444, 643
IHC 227

HARVESTERS

JD 3800 w/2RN Head & Long Tongue
JD 16A Flail [SOLD] Chopper, good condition
NH 890 w/2 RN Head w/long tongue, electric controls, very good

MISCELLANEOUS EQUIPMENT

JD 350 Rake w/rubber mtd. teeth
IH 557 tooth chisel plow
Farmhand high lift loader, very good
JD 3 pt. Backhoe, very nice
JD 1700 mulch tiller, 9 or 11 chisels
JD 45 Quick Tach Feeder Houses, very good
NH 489 Haybine, like new
JD Hay Pickup w/Gauge Wheels
MF 43 Corn Head, Late Style
Gehl 99 Blower
JD 1209 Mower Conditioner, (new & used)
JD 1207 Mower Conditioner
Servis 12' Rotary Mower
Stan Hoist 4 Row Stalk Shredder
JD cab fits 3010 thru 4020
Ford Cab fits 5000 and 7000 all purpose tractors

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

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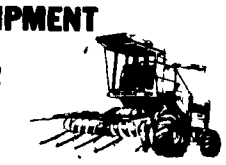
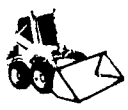


NH 1895 SP
FORAGE HARVESTER
Cab & Air,
Cat Power Unit
12 Double Edge
Underbeveled Knives, Metal detector base unit with 3RN Low-profile Head. $32,500
NH 880 Windrow Pickup Head $950
NH 880 R2 Crop Heads



NH L-325 Skid Steer Loader w/54" bucket
$6,450

Ford 40 h.p. Skid Steer Loader, Ex. cond., only 1100 hrs, Trms $6250
24' Elevator w/Motor
NH 469 mower conditioner $1685
NH 328 138 bu. Spreader 2 btr. . . $1475
NH 273 PTO Baler, Ld. Chute. . . . $1475
Ford 250 PTO Baler. $350
Ejector for JD 247 Baler $200
Special NH L-35 (Rental) Skid Loader large frame Limited Time $9,500
Special 3000 (Rental) gal. liquid Tank Spreader w/ejectors $5,950

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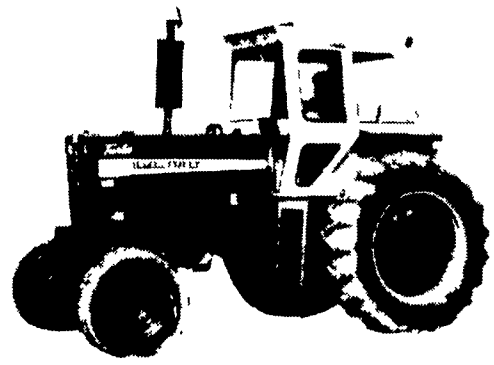

QUALITY TRACTORS AND EQUIPMENT/REASONABLY PRICED/SERVICED & BACKED WITH A WARRANTY/WILL DELIVER ANYWHERE

1978 JD 6600 Diesel w/Hydro., Air Conditioning AM-FM, Very Sharp, 1480 Hrs.
NI 708 Diesel, hydro., cab & air
NI 737 huskers (1)
NI 738, 4R narrow corn head
NI 730 4R wide cornhead
NI 722 Sheller, 726 husking bed and 720 2 row wide corn head, $1200 or best offer.
MF 300 combine, quick tach w/2 heads
JD 4320 w/factory cab, 38" rubber fully equipped
JD 4010 Diesel, wid SOLD
JD 4520, syncro. range, factory cab, quick hitch, diff. lock, dual hyd., (also has 4620 after cooler up date kit), clean
IH 786 1981 model, fully equipped w/only 100 hours, diff. lock and 38" rubber
IH 1466 factory cab & air, dual PTOs, 600 hrs. on complete engine overhaul and TA
IH 1456 w/factory cab, very clean
IH 1456 w/cab, duals & weights, solid tractor
IH 1256, cab, dual PTOs & hydraulics, 38" rubber, clean, tractor
IH 856 Diesel, wide front
IH 686 Diesel, 806 hrs., 1 owner tractor
IH 1206 w/cab and new TA, very clean
IH 706 Diesel, good tractor
IH 756 gas, real good tractor
IH M Farmall
IH 300 Farmall, gas w/fast hitch and power steering
IH 706 gas w/recent complete overhaul
IH 706 gas, WF, 3 pt.
Ford 8N SOLD
IH & JD cabs (used)
Year round cab w/air fits IH 06 to 66 series tractors

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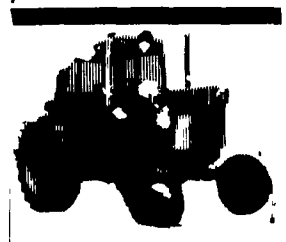

NEW TRACTORS
3088 234 4WD
3288 244

NEW EQUIPMENT
720 plow, 5-18
510 plow, 5-18
IH 475 disc, 11'6"
540 spreader
335 wagon
18' bale wagon
Morridge Grain Dryer

USED EQUIPMENT
IH 475 disc, 11'6"
574 gas
IH 475 disc, 11' 6"

USED TRACTORS
F 656 D 574 gas
9 N Ford, rebuilt

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

MF Massey Ferguson

USED EQUIPMENT
MF 85 Gas Tractor
MF 510 Diesel Combine w/MF 44 Cornhead
MF 750 Diesel Combine
MF 33 Drill, Like New
NI 214 Spreader
JD FB Drill
JD 6600 Diesel Combine w/Grainhead & 6 Row Cornhead

NEW SPECIALS
NI 323 1-ROW PICKER
List $8400
SALE $4995

NEW EQUIPMENT
MF 205 Tractor
MF 210-4 Tractor
MF 250 Tractor
MF 698 Tractor
NI 323 Picker
NI 660 For. Harv.
NI Manure Spreaders

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Box 68
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SILOS & UNLOADERS

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case

Case 2390 Tractor 1982, Fully Equip., 100 hrs. Dual Wheels, Traded for other Machinery.
Case 1690 Dsl. tractor, no cab, 265 hrs.
Used NI #324 2 Row Wide corn Picker, good shape.
(New) NI 324 2 Row Wide Corn Picker Super Price.
JD 7100 Corn Planter, A-1 shape, set up for fert.
Case 306 Plow at Good price
SC 7 Soil Controller
NI 727 Husking beds, good shape
Plus NI 702 Uni-Tractors, mow/dit-ioners, tractors & spreaders in stock at Good Prices.

C. & P. FULTZ EQUIPMENT
RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

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NH TR 75
Pay New Holland what we owe and it's yours!

Glencoe
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Special on Harvesters
NH 717's
IHC 350

Skid Loaders

Spreaders
NH 790
NI 218

NH 350 Grinder-Mixer

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We Have New & Used Silo Unloaders. Call us for all your silo need. Detweiler Silos, RD 2, Box 267D, Newville, PA 17241. 717-776-6321 or 717-532-3039.

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RD4, Lebanon, PA (Fontana) 717-867-5161 or 717-867-2613
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New Idea Gehl | Hesston Bush Hog | Glencoe | Brillion | Toro | Gilson | Kilbros | Wic | Trustworthy Hardware! The Problem Solvers

Gehl 120 Grinder-Mixer
NH 346 Tank Spreader w/hyd. lift A-1 Cond.
Gehl 72B 6' Flail Chopper
IH 403 Combine w/3R Narrow Head, Ex. Cond.
7'6" 3 pt. Lilliston Rotary Cutter.
Oliver 11' Transport Disc

FOR RENT
Glencoe 5 and 9 Shank Soil Savers
FOR RENT
Hesston 5540 Round Baler
Good Selection New& Used Manure Spreaders
NI 708 Uni w/4 WD, Cab, Air, Less than 400 hrs.
MF 844N 4R Corn Head

Pequea PTO Hay Tedder, like new.
Bush Hog 14 shank 3 pt. 3 bar chisel plow
IH #700 4x16 Auto Reset Plow
(new) South East 3 pt. Round Bale Mover
JD H Tractor w/cord saw
See Us Now for Your Toro Snow Blower
Wic 7 h.p. Straw Chopper

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Ford 3 pt 2 Row Cultivator	$390 00	$1.00	$160.00
770 NH Harvester w/2 RN & PU	$5951 00	$5.00	$4801.00
676 NH Tandem Axle Spreader w/gate	$3254 00	$5.00	$2104.00
FB 88 Gehl Blower	$850 00	$2.00	$684.00
66 JD Blower	$1390 00	$3.00	$1141.00
FB 99 Gehl Blower	$1395 00	$3.00	$1146.00
SSP-5 Glencoe Soil Saver	$3890 00	$5.00	$3475.00
10' Bush Hog 10 Tooth Chisel	$1495 00	$3.00	$1246.00
6' Case 3 pt Rotary Chopper	$450 00	$2.00	$284.00
11' AW JD Transport Disc	$950 00	$2.00	$784.00
10' KBA JD Transport Disc	$1050 00	$2.00	$884.00
Grove Corn Drag	$350 00	$1.00	$267.00
Allied 1 Ton Grinder/Mixer	$2350 00	$4.00	$2018.00
MX 120 Hyd. Drive Grinder/Mixer	$3850 00	$5.00	$3435.00
686 IH Tractor - 825 hrs	$14,900 0	$20.00	$13,240.00
717 NH Harvester w/1RN	$1950 00	$4.00	$1618.00
Sears 10HP Mower	$750 00	$3.00	$501.00
212-217 NI Single Beater Spreader	$1695 00	$4.00	$1363.00
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213-215 NI Triple Beater Spreader	$2550 00	$5.00	$2135.00
218 NI Spreader w/Hyd Gate	$3150 00	$5.00	$2735.00
Wic 3 pt Straw Chopper	$1095 00	$2.00	$929.00
IH 6x16 Semi-mount Plow	$2190 00	$4.00	$1858.00
83 Oliver 2 Row Wide Pull	$2490 00	$5.00	$2075.00
Dion 3 Beater Unloading Wagon w/Roof	$3890 00	$7.00	$3309.00
Kasten 2 Beater 16' Unloading Wagon	$1890 00	$5.00	$1475.00
763 3 RN NI Uni Harvester Head	$1800 00	$4.00	$1468.00

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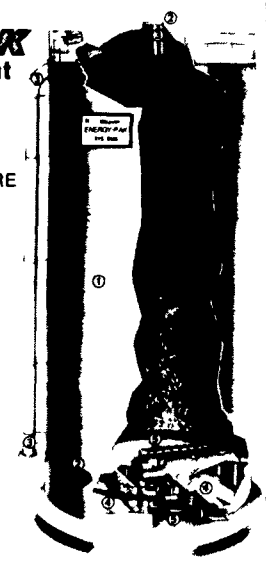
Forage Management Systems



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Can be sold as Complete Units

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14 ft. Rebuilt unit
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16 ft Surface Dr	$500.00
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1 - Complete set (front & rear) Extra Heavy Steel Wheels to fit I.H. 544 Tractor (Ask for Paul) $500.00

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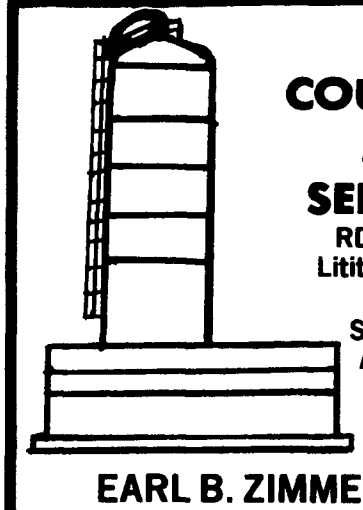

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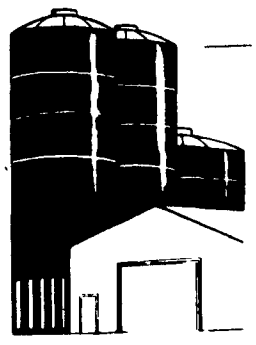

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NEW!! ALL STEEL ENDWALL COLUMNS & RAKE EDGE
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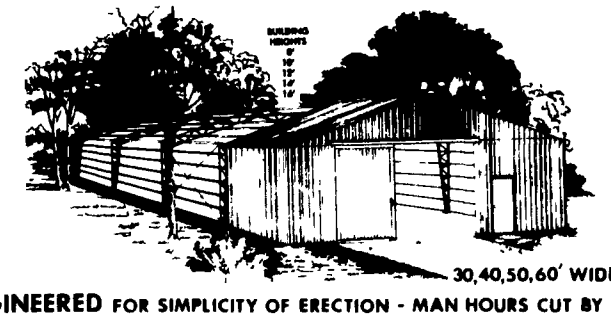

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GRAIN EQUIPMENT

GRAIN EQUIPMENT

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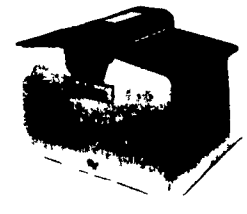
DAIRY EQUIPMENT

DAIRY EQUIPMENT

Energy Free DRINKERS

For Cattle or Hogs



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NOW... Six Models
Four for Cattle, Two for Hogs
Also, side entry calf shelter

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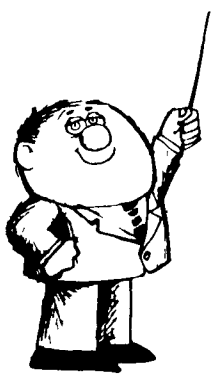

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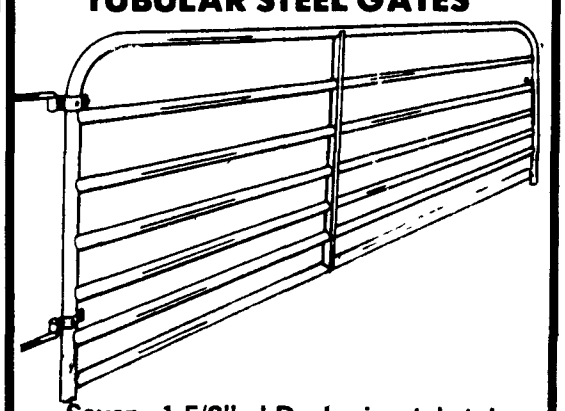
DAIRY EQUIPMENT

DAIRY EQUIPMENT

DAIRY EQUIPMENT

DAIRY EQUIPMENT

TUBULAR STEEL GATES



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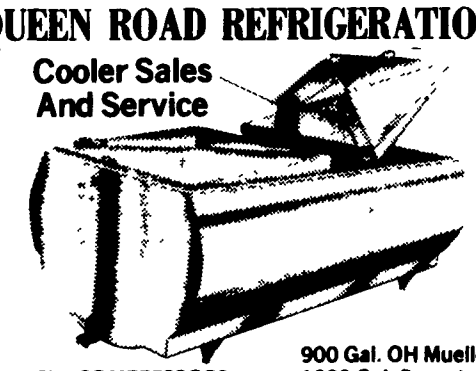

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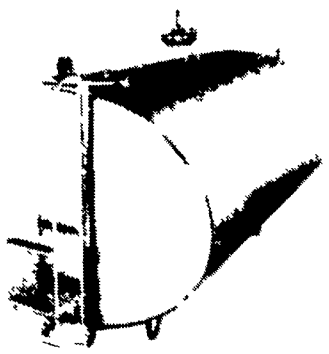

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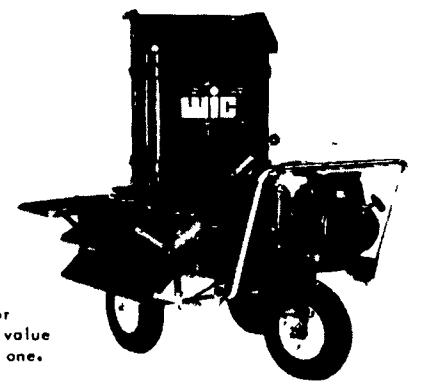

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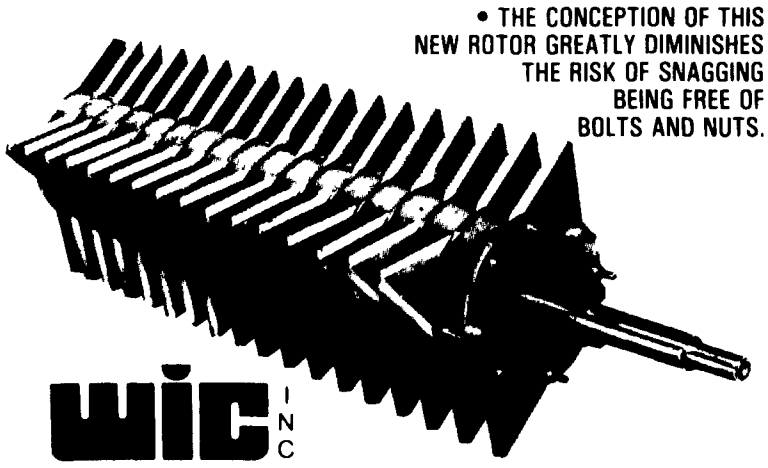

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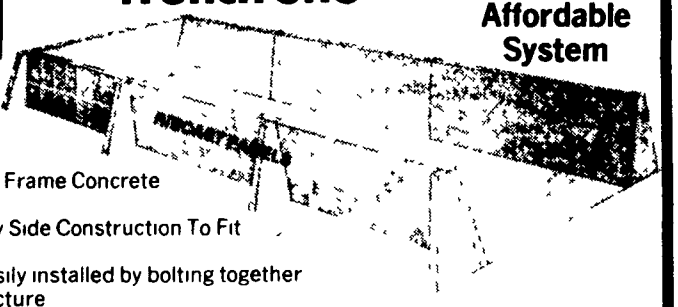

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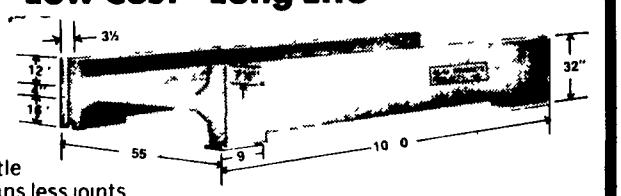

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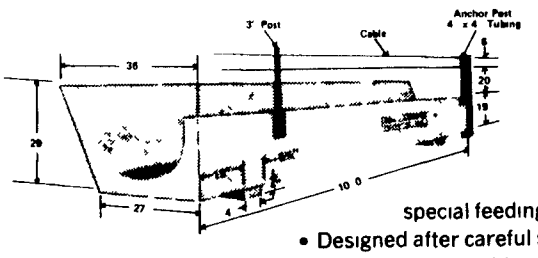

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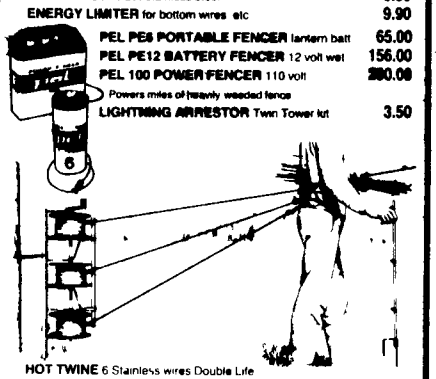

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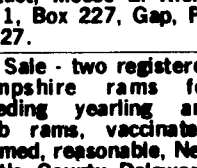

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PETS

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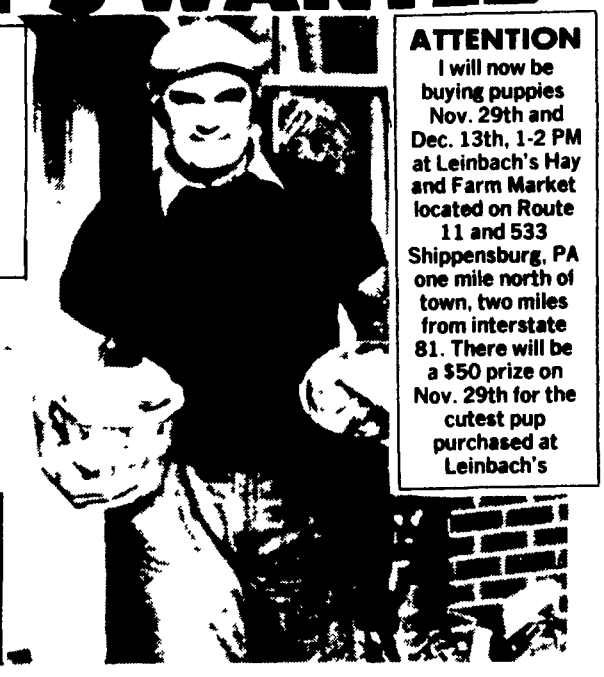

ATTENTION
I will now be buying puppies Nov. 29th and Dec. 13th, 1-2 PM at Leinbach's Hay and Farm Market located on Route 11 and 533 Shippensburg, PA one mile north of town, two miles from interstate 81. There will be a $50 prize on Nov. 29th for the cutest pup purchased at Leinbach's

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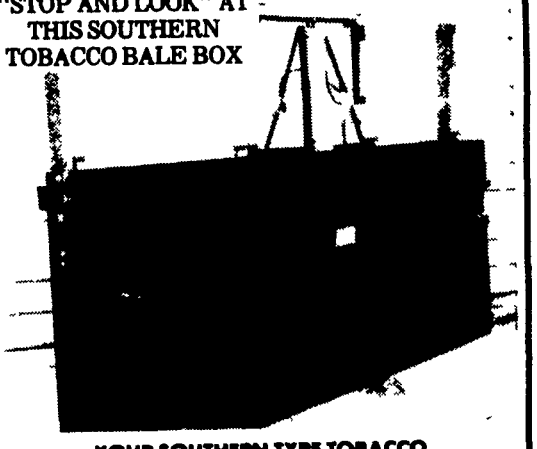

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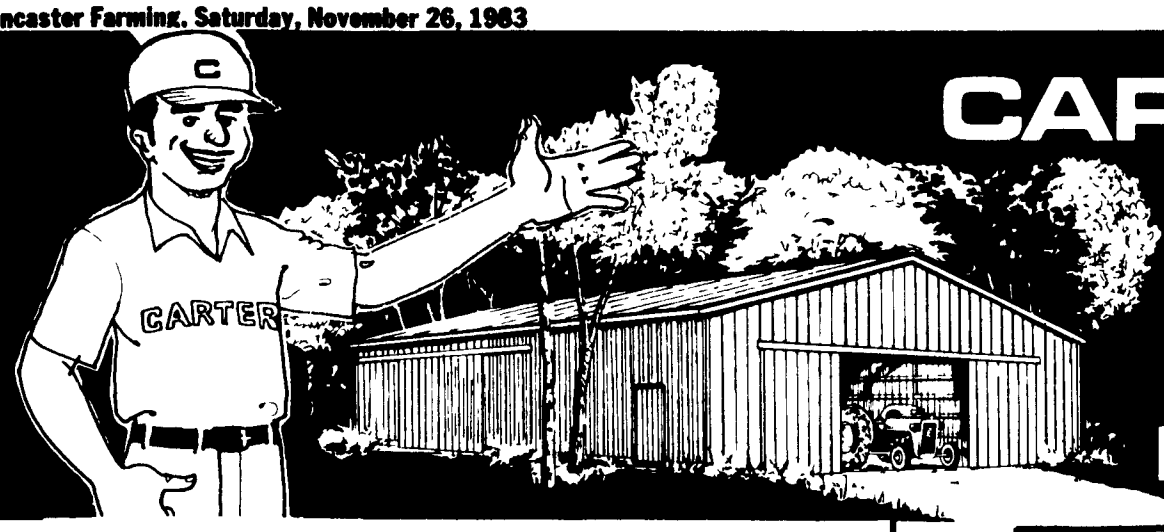

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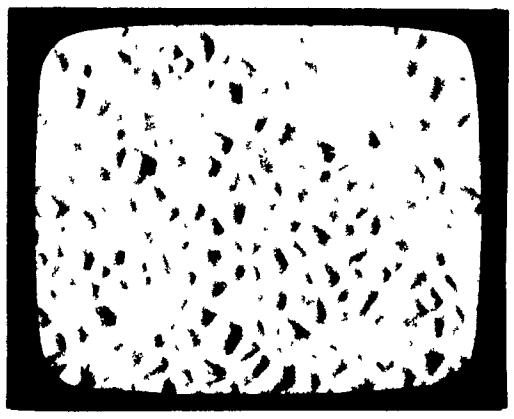

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2"x6"	2.38	2.96	3.55	4.15	4.74	5.80	6.44
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2"x10"	4.44	5.54	6.65	7.76	8.86	10.80	12.00
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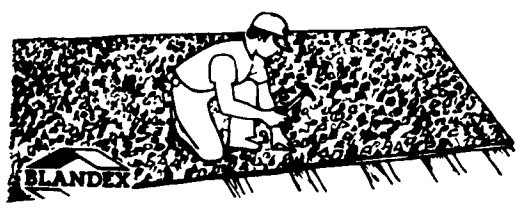

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11'	11.05	—	—	—	—	12.02
12'	12.06	15.58	19.99	8.32	15.48	13.12
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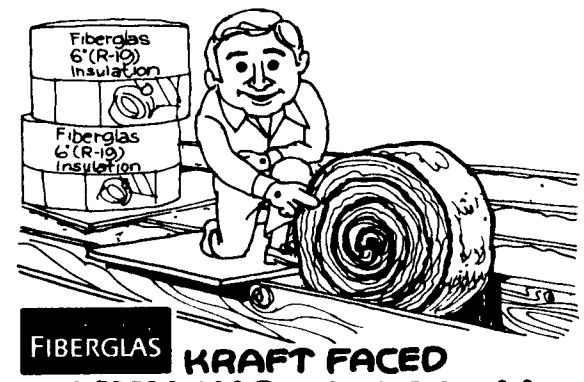

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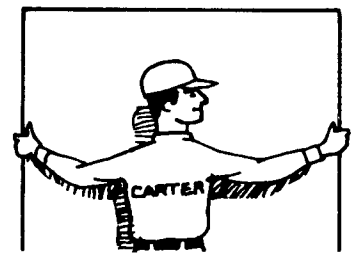

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Livestock association offers new code of marketing standards

KANSAS CITY, Mo. — Livestock Marketing Association (LMA) is offering the industry a new Code of Marketing Standards and Principles as a tool to measure the quality of marketing services it now receives.

The 10 points in the Code are guidelines adopted by LMA's Board of Directors at their August meeting in Missouri. They address the key points of marketing business operation and are being sent, in poster form, to LMA's more than 1,200 subscribing businesses across the U.S. and in Canada.

"These are the standards we have set for our own industry," LMA President John E. Hawkins said. "They were developed by a panel of our subscribers, who have years of experience in all types of marketing and serving their producer customers.

"Producers should use the new Code to evaluate the quality of the marketing services they're now receiving. Do those services include this comprehensive commitment to customer satisfaction and integrity in all transactions?"

One of the "great strengths of the North American livestock industry is that a producer can choose from a wide variety of marketing methods," Hawkins added. "We feel our Code will be a benchmark against which to evaluate these methods."

The ten points in the Code pledge the business to:

— Maintain the highest standards of honesty and integrity in all transactions.

— Strive for the complete satisfaction of our customers.

— Provide true and accurate weights.

— Accurately describe and represent all animals.

— Maintain a sound financial basis by assuring that full payment is made to sellers and received from buyers, in accordance with the terms of the transaction.

— Provide adequate, humane and serviceable facilities.

— Maintain the highest standards of livestock health and disease prevention.

— Comply with federal and state livestock marketing laws.

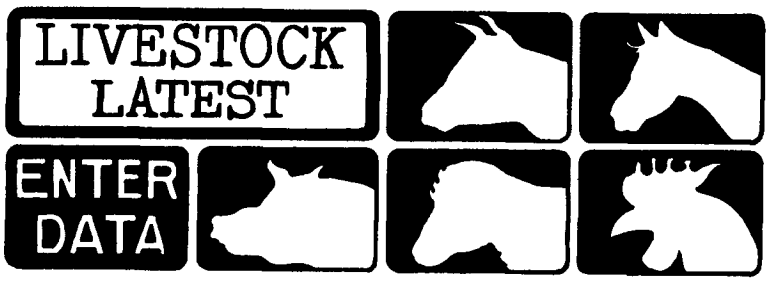
— Uphold the principle of complete freedom of choice for buyers and sellers in selecting the manner, method and means of buying and selling livestock.

— Promote the principle of free and open competition throughout the livestock marketing industry.

The Code was developed by LMA's Transactions Risk Board, which studies effective marketing risk management procedures and works for their implementation throughout the industry.

Risk Board Chairman is W.F. 'Wes' Munsell, a livestock dealer from Miles City, Mont. Members are Norbert E. Brandt, manager of a marketing cooperative in Francis Creek, Wis.; Harlan Coit, president of a stockyards exchange in Oklahoma City; Clayton Lambeth, a feedlot manager in Hot Springs, S.D.; James D. Bryan, a livestock dealer in West Point, Miss,; John T. Resico, a market owner in Rocky Mount, N.C., and James Strasma, comptroller of a marketing cooperative in Peoria, Ill.

Two other market owners also worked on developing the Code. They were Raymond D. Henderson, Mitchell, S.D., and Harry Eiler, McCook, Neb.



In Philadelphia County...

Soaking up what may be the last of warm weather sunshine is this herd of Hereford cattle at the Fox Chase Farm, owned by the Walter Biddle Saul High School of Agricultural Sciences in Philadelphia. (Photo by Laura England).

Potomac Fever research aided by Morris Foundation grant

ANNAPOLIS, Md. — Efforts to discover the cause of Potomac Fever, otherwise called Acute Equine Diarrhea Syndrome (AEDS), are being helped along by a research grant from the Morris Animal Foundation of Englewood, Colo., says Dr. Ralph C. Knowles of the Maryland Department of Agriculture.

Funds totaling $27,000 have been allocated by the Foundation to the Pennsylvania School of Veterinary Medicine and the Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, Virginia, according to this MDA Veterinarian.

The disease first appeared in Maryland in 1979 but has since spread to neighboring areas of Pennsylvania and Virginia. This past summer 116 cases of AEDS were reported in the state. All but three were in Montgomery County. Carroll, Frederick and Howard Counties reported one case each. The mortality rate for the disease normally runs in the range of 25-35 percent or higher. The 1983 summer outbreak in Maryland resulted in 42 deaths.

"Pioneering efforts to find causes and cures for new diseases are always difficult and this one is proving to be particularly so" Kowles says.

While little progress has been made in determining the cause of AEDS, a number of factors and agents have been eliminated. For example, poisonous plants, while present in fields this summer were not being eaten by affected animals. Research has also shown that the disease is not being transmitted by blood sucking insects such as ticks and mosquitoes.

In addition, certain viruses have been isolated from diseased horses but no proof has been established to link them with infection. And, although certain types of clostridium bacteria are known to cause acute death in horses, investigations at the Virginia-Maryland Regional College of Veterinary Medicine show that they do not prevail in AEDS cases.

Disease symptoms include lack of appetite, high fever and acute diarrhea. In several cases the animal goes into shock and dies.

The grant monies allocated by the Morris Animal Foundation were obtained through private fund raising efforts such as horse fairs, rides for research and benefit dances.

Scientists at cooperating colleges will focus their attention on available case histories and the farms where horses have been affected. They will evaluate data on diseased horses, study nutritional and managemental aspects, consider animal movement and examine laboratory data from each location as well as studying blood and stool samples from the affected horses.

Lysine essential in swine feeding rations

NEWARK, Del. — It looks a little bit like salt, a worthless, flaky salt. But without it, a pig can't live—let alone grow. It is called lysine, an amino acid that must be included in a pig's diet.

Of the 20 amino acids, a pig can synthesize only 10 in sufficient quantities to sustain maximum performance, says University of Delaware extension livestock specialist Dr. Ken Kephart. Swine lack the biochemical machinery to make significant amounts of the other 10, which are called the essential amino acids. Lysine is in this second category.

An amino acid is a small, insignificant looking molecule containing an "amine" group (amino) and a "carboxyl" group (acid). Hook a few thousand amino acids together in the right order and you've got a protein. Some of these proteins float around in the blood, some are part of muscle, and some go into milk.

Knowing this, it's easy to see why amino acids are so important. If even one is in short supply, protein synthesis (growth rate, milk production) will be cut short, too.

This is where lysine fits in. "If you look at the amounts of amino acids in a typical hog diet and compare them to the amounts needed by the pig, lysine always will be in shortest supply," Kephart says. "That's why we refer to lysine as the 'first-limiting' amino acid. Formulate the diet to contain enough of it, and levels of the others will be OK."

Soybean meal, fish meal and dried skim milk are three of the best natural souces of lysine, he says. But for normal swine rations, soybean meal is generally the only one that's economical. Meat and bone meal is another source which is frequently used, but its lysine is less readily available to the pig. Dried whey has available lysine, but contains only about a third as much as soybean meal. Its use is generally limited to starter rations.

How about the feed value of high lysine corn? This contains about .35 percent lysine compared to only .24 percent for normal corn. When formulating a one-ton ration with high lysine corn, about 100 pounds of 44 percent soybean meal can be saved, Kephart says. You can reduce the protein content in a high-lysine corn ration by 2 percent and still have the same total amount of lysine as a normal corn ration.

At today's market prices of $262 a ton for 44 percent soybean meal and $3.89 a bushel for normal corn, high lysine corn is worth roughly $4.09 a bushel. The major disadvantage to growing high lysine corn is its lower yield. High lysine hybrids produce only about 90 percent as much corn as standard hybrids.

Is it ever profitable to use synthetic lysine? Feed grade lysine is usually sold as lysine hydrochloride, which contains 78.5 percent lysine. "Under certain conditions it pays to add this to swine rations," Kephart says. "As a rule of thumb, 3 pounds of lysine-HCL plus 97 pounds of corn can replace 100 pounds of 44 percent soybean meal in a one-ton ration. If you're using 48 percent soybean meal, only 90 pounds can be replaced. Use 87 pounds of corn and 3 pounds of lysine-HCL."

For example, 48 percent soybean meal currently is selling for about $276 a ton. So 90 pounds cost $12.42. With corn at $3.89 a bushel and lysine-HCL at $2.28 a pound, 87 pounds of corn and 3 pounds of lysine-HCL will cost $12.66. So even with the current high price of soybean meal, it's still not profitable to use synthetic lysine.

But suppose 48 percent soybean meal jumps to $325 a ton and corn to $4.25 a bushel. Then 90 pounds of soybean meal would cost $14.63, as compared to $13.44 for the corn and lysine. Under these conditions, it would be economical to make the substitution—provided large volumes of feed are needed.

One note of caution. Only 90 pounds of 48 percent soybean meal or 100 pounds of 44 percent soybean meal can be substituted with corn and lysine in a one-ton ration. If too much is deleted, other amino acid deficiencies result, even when the corn/lysine substitution is made.

To summarize, lysine is the most important amino acid in swine nutrition. Since it's first-limiting in normal diets. formulation for lysine will provide sufficient amounts of the other essential amino acids. "If you're trying to save soybean meal," Kephart concludes, "synthetic lysine or high lysine corn will work and performance will be the same. But push a pencil before you make the switch. These ingredients often boost the cost of the ration."

Pa. family shows Champion Appaloosa

HARRISBURG — Peggy, Bill & J. Jocher of Harrisburg exhibited the grand champion gelding, "Dials Easy Money," during the 27th Keystone International Livestock Exposition's Appaloosa Horse Show.

The reserve champion gelding was exhibited by Jeannette Smith, Newton, N.J., while the reserve champion mare was shown by James & S. L. Hewitt, Hampstead, Md.

The grand champion mare, "Dutchess Go Lucky," and the grand champion stallion, "Questionnaire II," were both exhibited by Robert Clarke, Monsey, N.Y. The reserve champion stallion was shown by Martins Appaloosas, Elm.

Other Pennsylvanians placing first in halter classes during the Appaloosa Show included Lori Baubeitz, Spring Grove; Warren Hollinger, Kempton; Ted Shotzberger, Elm; D. Swarts & W.E. Spillers, Hummelstown; Ronald & Rita Cluck, Richfield; and Jane Dougherty, Collegeville.

Pennsylvanians placing first in the performance division were Douglas Deibler, Lititz; Sue Porr, Harrisburg; Peggy, Bill & J. Jocher, Harrisburg; Thomas & A.L. Zambarano, Mechanicsburg; Kern Stables, Scotia; Susan Sparks, Mechanicsburg; Susan Quandel, Pottsville; Amy Rausch, Carlisle; Jim & Liz White, Kittaning; Debra West, Montoursville; Bruce Schadel, Sacremento; and Leslie Dimenichi, Bethlehem.

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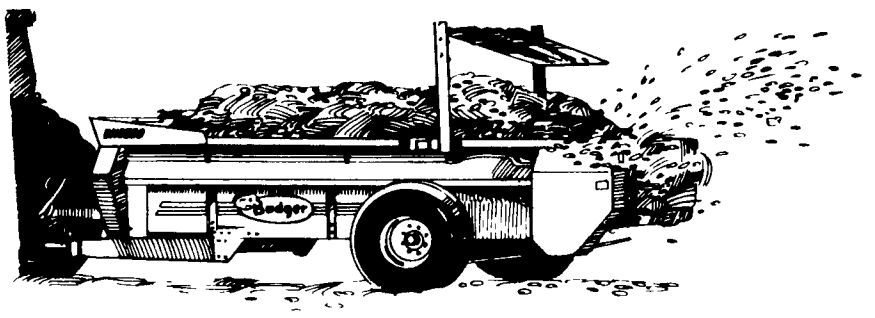

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Badger Northland Vacuum Tanks are versatile! They'll load, spread or inject efficiently and quickly. It's hard to believe you can get this much performance all from one tank, but it's true. And Badger offers four sizes that you can match to the size and needs of your hog, dairy or beef operations.
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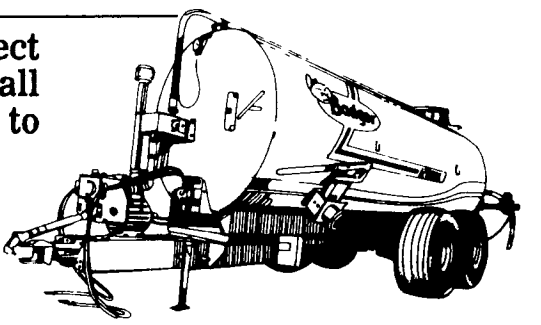

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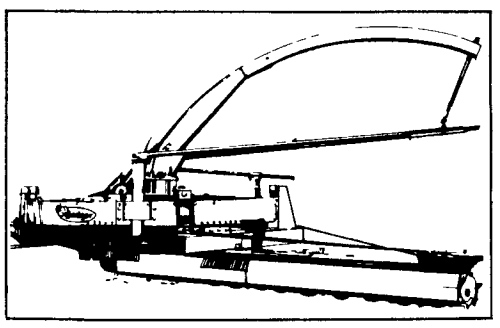

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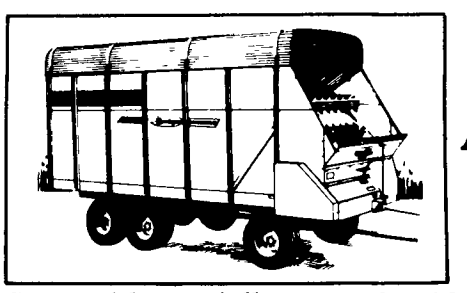

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Video image analyzer used to evaluate beef carcasses

CLAY CENTER, NB. — Predicting lean and fat compostion of beef carcasses has been achieved more accurately and faster with a video a camera and a computer than with conventional measurements applied in predictive equations for USDA grading standards.

Video image analysis should still be considered experimental at this point, says food technologist H. Russell Cross of USDA's Agricultural Research Service (ARS). A larger scale study in commercial settings will be needed before the automated procedure can become considered for official yield grading. It appears that the video image analysis may be the wave of the future, providing an efficient way for the meat industry to assure consumers that they will get the leanness in beef that they desire.

In laboratory tests, the technique was estimated to be 93.6 percent accurate in its measurements of the lean and fat content of the 9th, 10th and 11th ribs of the carcass which is the indicator of the carcass leanness.

USDA meat graders, in the current system, measure visible areas of lean and fat of the 12th and 13th ribs and then apply an equation to predict the total content. The conventional way of determining the same measurement was 84 percent accurate.

Accuracy differences between the two methods conceivably could have been more striking than they were if the methods had been compared in a typical grading situation rather than in the laboratory, Cross says.

That's because determining yield grades by using the conventional measurements in the standard equation was done painstakingly and took longer in the experiment than in typical grading conditions.

"Under typical grading conditions, USDA meat graders are expected to quality and yield grade more than 250 carcasses per hour," says Cross.

Engineers of Kansas State University developed the instrument under a contract with ARS and also cooperated in the latest research.

The video image analyzer consists of a video camera, video monitor, data terminal and computer. The computer converts what the camera sees into numerical codes for fat, lean and marbled portions of the meat section.

Cross said the analyzer "did an excellent job" of duplicating lean and fat measurements. It was precise 97 percent of the time in measuring total fat areas and 98 percent for total lean areas. For counting marbling pieces and measuring subcutaneous fat thickness, results suggest that repeated handling of carcasses may reduce the precision.

Not including subcutaneous fat measurements in a yield-grading prediction equation, however, does not make the instrument's equation less accurate than conventional predictions that are complicated by adjustments for fat trimming prior to chilling, Cross says.

As few or as many kinds of measurements as necessary may be made to formulate an accurate prediction equation for instrument grading, Cross says, while adding measurements to conventional prediction equations may increase the time needed for yield grading.

Angus named reserve senior bull

Kruegers Foolish Pride took the reserve senior Angus bull title at the 1983 American Royal Livestock Show in Kansas City, Missouri. He is owned by Greg Krueger and Family, Coatesville; Michigan State University, East Lansing; and Fred Frey and Sons, Quarryville.

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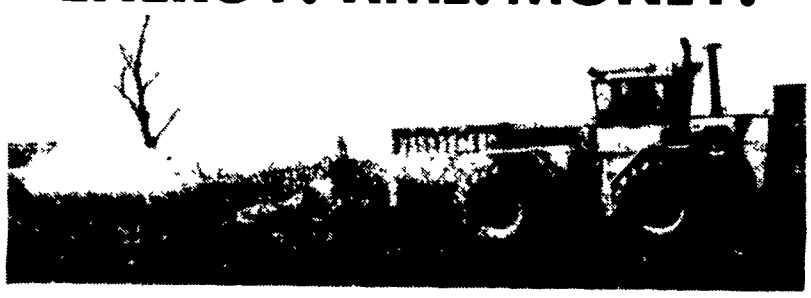

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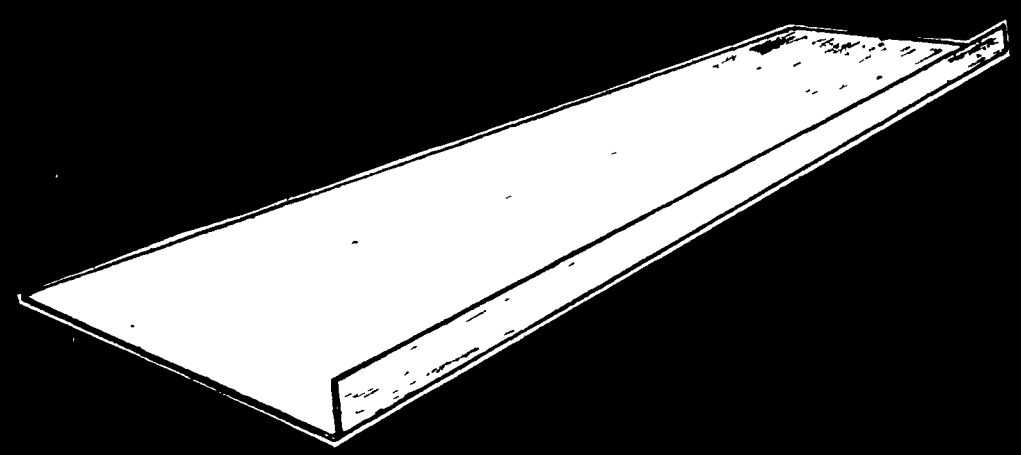

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Natural ventilation for swine buildings

NEWARK, De. — Many swine producers are looking for ways to reduce energy costs in confinement operations. Natural ventilation may be one way to do this, says University of Delaware extension agricultural engineer James Scarborough.

"Why not investigate natural ventilation to reduce fan and heater operation costs," he suggests. "If your confinement building contains hogs weighing over 80 pounds, this can be used without detrimental effects on the hogs."

Natural ventilation works two ways in a confinement building. First, by wind blowing across an open ridge and drawing out warm moist air which is replaced by fresh air from side vents. Also, when the wind is calm, warm moist air inside the building rises with an effect similar to what occurs in a fireplace chimney.

Temperature can be controlled by opening and closing shutters, curtains or windows as the need dictates. Scarborough says the best natural ventilation systems contain an automatic device controlled by a thermostat to open or shut curtains or shutters.

"As long as the temperature remains between 50 and 80 degrees inside the building," he says, "the hogs will be comfortable. Should it drop below zero degrees outside, you may need supplemental heat, especially if the building is not full. You also can allow the temperature to fall if you feel you can tolerate the drop in production."

Except in the severest weather, he says the inside temperature won't drop below 40 degrees.

In the summer, temperatures above 90 degrees will require some method of cooling the hogs, such as hourly mistings.

During the three coolest months of the year, the specialist recommends using a supplemental fan to insure adequate fresh air when the building is completely closed. or when high winds preclude the use of natural ventilation because of excessive drafts.

"Adequate insulation is a must in order to maintain a comfortable temperature range for the hogs," he says. "If you're remodeling an existing warm confinement unit, the insulation will be adequate. Don't install a ceiling in the building, but insulate between the rafters to allow air to flow up to the ridge opening."

He recommends an insulation value of R-8 for the walls and R-14 for the roof. The insulation will control large temperature fluctuations in the building and reduce condensation.

"Natural ventilation can be a money saver for your operation during much of the year," Scarborough concludes, "but there's no one set design for a building. You need an experienced and knowledgeable builder to get a properly operating unit."

First month critical after breeding sow

NEWARK, De. — Breed a good sow at the right time to a fertile boar or two, and the next day there should be 16 to 18 fertilized eggs in her reproductive tract.

But swine producers don't often see litters that size. In fact, there aren't many litters larger than 10 or 12 pigs, says University of Delaware extension livestock specialist Ken Kephart.

Why should this be? "On the average," he says, "40 percent of the embryos die during pregnancy. And about two-thirds of those are lost during the first month. Since these embryos are resorbed by the sow, you never know just how many died."

Research shows that several factors influence these losses, including environmental stress, nutrition, age of the sow, and uterine space. What can producers do to minimize embryonic death? "Treat your sows with a lot of respect — especially during those first 30 days of pregnancy," Kephart says.

Avoid overcrowded conditions, for one thing. Researchers at the University of Illinois Agricultural Experiment Station found that overcrowding pregnant gilts impairs the process of embryo attachment to the uterine wall.

"Keep your sows cool, too," he says. "It's a fact that subjecting them to heat stress will kill embryos."

Group sows at weaning, not at breeding. If they're mixed at weaning, but the time they come into heat the fighting will be over. That's one less problem for the sow after she's bred. If females need to be regrouped, wait until the second month of pregnancy, the specialist advises.

Nutrition is also important in obtaining large litters. "Provide adequate nutrition, but don't overdo it," Kephart says. "During the first month, it's probably better to underfeed than overfeed. There's little evidence that nutritional deficiencies during this interval will affect embryo vaibility. But many studies show that full feeding gilts in early pregnancy leads to high prenatal losses."

Age of the sow makes a difference. Older sows generally lose more embryos than gilts, partly because they start with more. But as a sow reaches the end of her productive life, embryonic mortality increases and there's a sharp drop in the number of pigs born — a good sign she needs a new home.

Uterine space is another factor. Even though the uterusl can be up to 8 feet long in a large sow, it can maintain only a limited number of pigs. The number of eggs shed can be increased by superovulating the female, but these efforts don't seem to increase litter size at birth.

How many pigs can a uterus support? Two separate studies conducted at the University of Illinois show that the average sow can carry up to 14 pigs before birth weight is significantly affected.

"Since most sows start their pregnancy with at least 14 embryos, we should be able to approach an average litter size of 14 live pigs," Kephart says. "Currently the national average is about 10. So we have a long way to go.

"To close that gap, we need a major effort from swine managers. We also need more research to answer some of the many questions which remain regarding the sow's reproductive physiology. If we could reduce prenatal losses by half, we could add at least two pigs to every litter," he says. "It's certainly a goal worth working toward."

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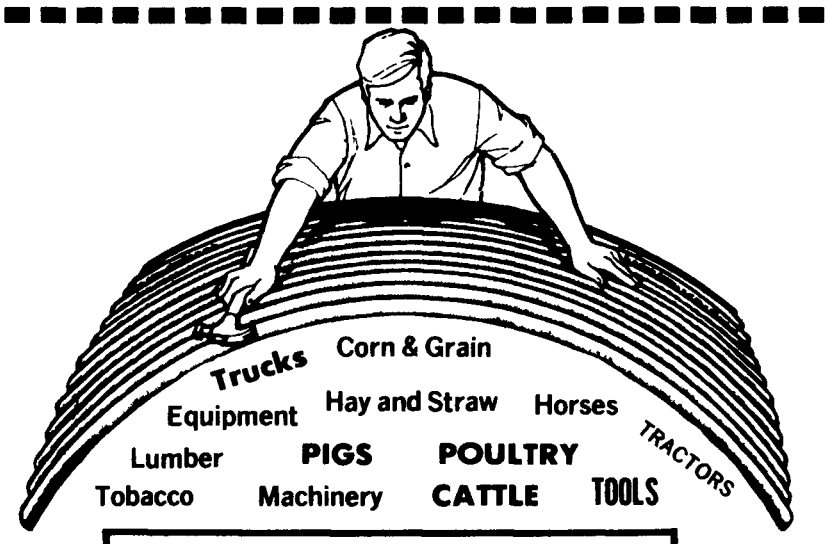

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BUSINESS NEWS...

Rumensin for dairy heifers

INDIANAPOLIS, Inc. — Dairymen can now get replacement heifers into milk production sooner by increasing their rate of gain with Rumensin. The FDA has granted Elanco Products Company approval for its use in dairy replacement rations.

First marketed in feedlot cattle in late 1975, Rumensin is also widely used in cattle on pasture. In 10 experiments in replacement heifers, 150 to 200 mgs. per head per day of Rumensin increased daily gains an average of about 10 percent.

Research at Arizona State University and the University of Idaho shows that body size is more important than age in regard to sexual maturity, breeding and calving. In Idaho, heifers with accelerated growth rates were 1.9 months younger than other cattle when they first came into heat.

According to Idaho scientists, heifers calving at younger ages produce more milk per day of life. Early-bred heifers leave the herd having produced more milk per day of life than late-bred heifers.

Penn State University DHI records show lifetime production and milk production per day of life are highest for heifers calving at 22 to 24 months of age. Generally, ideal breeding weights of dairy replacement heifers are 650 to 800 pounds, depending on breed. By increasing gains an average of 10 percent, Rumensin can help dairymen achieve these breeding weights at an earlier age.

Research has also demonstrated that Rumensin has no adverse effects on the performance of reproduction of heifers. When fed at three times the recommended level, Rumensin did not affect conception, calving ease, number of live calves born, calf birth weight, milk quality or production.

Rumensin is not approved for use in milking dairy cows.

New John Deere tractors

Top fuel efficiency and impressive lugging ability head a long list of standard features on the new John Deere 40- to 60-hp tractors, according to area dealers.

Base price features include power steering, wet-disk brakes, nine forward and two reverse speeds, PTO, 3-point hitch and an adjustable seat. A mechanical front-wheel-drive option is avialable, too.

Butler cites tank spreader

FORT ATKINSON, Wi. — Butler Manufacturing Company — Livestock Systems announces its new Tank-R 2300 liquid manure spreader for injector or broadcast application.

The Butler 2300, with a 30-inch fill hole and grate, has a forward slant which maintains drawbar weight to prevent a negative pole weight as the tank unloads. The forward slant serves two purposes. It allows the tank to fill more completely, eliminating air pockets. The forward slant also allows Butler to front-mount the pump, resulting in a short driveline, fewer bearings to maintain and more clearance at the rear of the tank.

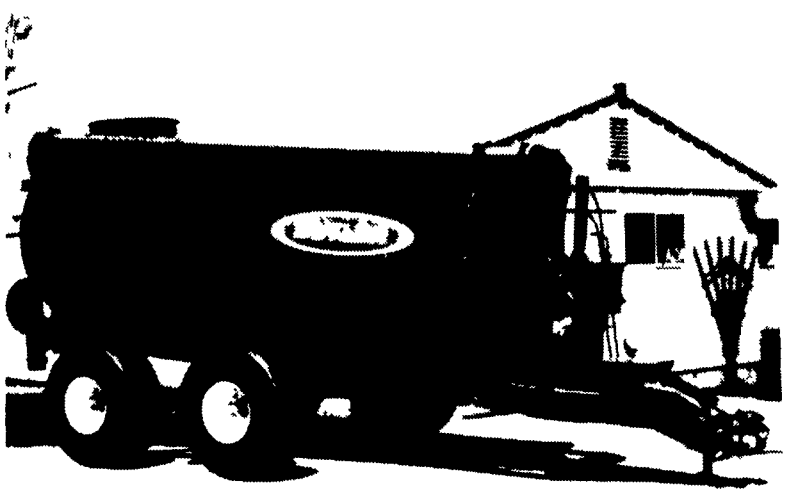
Requiring at least 75 horsepower without injectors, it has an adjustable wheel tread width spanning 74 to 91 inches. This variable span makes it operable with a variety of crop row width. The heavy-duty tank is attached to the full-length skid with continuous welds. The skid is then fastened to the frame with bolts through reinforced saddles.

The innovative Tank-R 2300 features a Super Mix system designed to shred and blend manure solids evenly and maintain material in suspension. The Super Mix system employs a shredder impeller pump that feeds material through valves regulating the agitation.

By recirculating the manure, the material is suspended and prevented from settling on long hauls. The valves also regulate the spreader's discharge rate for complete application control. This control permits the proper number of gallons spread per acre based on individual soil samples.

Another advantage is the ability to mix commercial liquid fertilizer with manure to further enhance fertilizer management.

A tubular steel frame with X-bracing adds rigidity to the Tank-R 2300. There is an optional Plus-2 brake kit that gives four wheel brakes. Its axles feature heavy three-inch spindles that slip into sleeves and bolt in place.



Butler Livestock Systems introduces its new Model 2300 Tank-R-Liquid Manure Tank/Spreader.

Sire Power selects 7 bulls

TUNKHANNOCK — Sire Power, Inc. has acquired seven young bulls from prominent Pennsylvania Holstein breeders for its Gold Sire Development Program.

The bulls and their breeders include:

Chrome-View Pete COLBURN-ET 1910549, bred by Mason Brothers, Nottingham, is sired by Straight-Pine Elevation Pete, a genetically superior bull with +1921m -.12% +51f +$218, Rpty. 99%.

His dam is Chrome-View Glendall Gladys 9607030. She was specially selected because of her outstanding type and production with a top record at 4-4 305d of 19,620m 3.4% 1008f, a cow index of +1865m +.11% +50f +$213. She is sired by Glendell Arlinda Chief.

Pep-L-Lea MCIAH 1910233, bred by Robert and Jane Pepple, Oxford, is sired by Cal-Clark Board Chairman, a genetically superior bull with +2527 -.12% +72f +$295, Rpty. 81%.

His dam is Pep-L-Lea Elevation Molly 9581089. She was specially selected because of her outstanding type and production with a top record at 3-4 305d of 22,700m 4.2% 955f, a cow index of +1143m +61f. She is sired by Round Oak Rag Apple Elevation.

Pen-Col LENNON-ET 1914484, bred by Pen-Col Farms, Millville, is sired by Cal-Clark Board Chairman, a genetically superior bull with +2527 -.12% +72f +$295, Rpty. 81%.

His dam is Pen-Col Elevation Lenora 9370268. She was specially selected because of her outstanding type and production with a top record at 4-9 305d of 26,820m 4.8% 1276f, a cow index of +1396m +.15% +74f +$222. She is sired by Round Oak Rag Apple Elevation.

Maple-Willow Ivanhoe BELLCOR 1902194, bred by John S. Shirey, Beavertown, is sired by Carlin-M Ivanhoe Bell, a genetically superior bull with +1893m -.07% +58f +$228, Rpty. 95%.

His dam is Springmere Tidy Sylvia-twin 10277427. She was specially selected because of her outstanding type and production with a top record at 5-8 304d of 29,390m 3.7% 1082f, a cow index of +1780m -.02% +61f +$226. She is sired by Round Oak Rag Apple Elevation.

H-Y Wilsondale JUNIOT-ET 1911062, bred by Em-Tran, Inc., Elizabethtown, is sired by Twin-Lawn Elevation Jason, a genetically superior bull with +1903m -.06% +60f +$232, Rpty. 76%.

His dam is Don-Sim Chief Joy 876182. She was specially selected because of her outstanding type and production with a top record at 5-6 305d of 27,110m 3.4% 927f, a cow index of +2022m +61f. She is sired by Pawnee Farm Arlinda Chief.

Pen-Col BRASS-ET 1906725, bred by Pen-Col Farms, Millville, is sired by S-W-D Valiant a genetically superior bull with +2289m -.02% +80f +$293, Rpty. 99%.

His dam is Old-Quarry Jet Stream Bonny 9785409. She was specially selected because of her outstanding type and production with a top record at 3-5 305d of 27,430m 4.2% 1155f, a cow index of +2178m -.06% +70f +$268. She is sired by Arlinda Jet Stream-twin.

Legacy LANDMARK 1923257, bred by James Howes, Warriors Mark, is sired by Twin-Lawn Elevation Jason, a genetically superior bull with +1903m -.06% +60f +$232, Rpty. 76%.

His dam is Slickhill Glendell Dawfin 9789521. She was specially selected because of her outstanding type and production with a top record at 3-6 305d of 32,100m 3.2% 1020f, a cow index of +1930m -.14% +48f +$214. She is sired by Glendell Arlinda Chief.

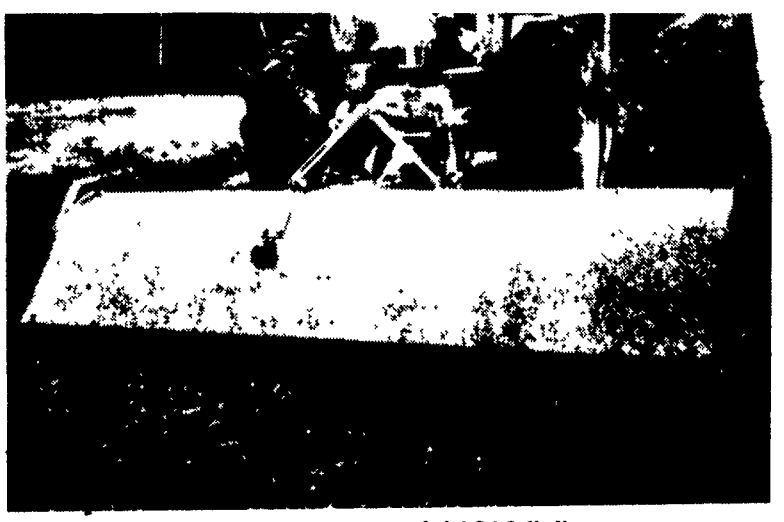
New mower introduced

APPLETON, WI — For mowing and shredding applications, farmers need cutting power and the ability to reach out-of-the-way swaths.

Fox Brady's new Model 1210 mower offers unique advantages. As standard equipment, the Model 1210 features a three V-belt drive with an adjustable spring tightener and a full width gauge roller that adjusts to desired cut heights. The 120-inch mower requires a 35-40 h.p. source at 540 rpm.

Fox Brady manufactures four multiple-use flail shredders: model 1690, 2410, 840, and 1210. All units are equipped with super-alloy steel knives. Campbell said the company has a 100 percent free replacement policy against breakage for the life of the knives. The mower's side slicer knives are reversible for double life.

As a fuel and time saving device, Fox Brady mowers have a one-hand screwdriver adjustment to increase drive belt tension. The no-slip belt tension saves horsepower, reduces belt wear and allows a finer cut.



Fox Brady introduces model 1210 flail mower.

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Carryover seed must meet quality standards

BLOOMINGTON, Il. — The government's payment-in-kind program, coupled with a hot, dry seed corn production season means that many farmers will receive some carryover seed when their orders are delivered next spring. But, farmers should not be concerned about planting seed produced prior to 1983.

"Avid PIK participation and sharp acreage reductions left major seed suppliers with significant carryover inventories," says Wes Wilcox, quality control manager for Funk Seeds International. "Many seed companies, including Funk, reduced their seed production acres in 1983, anticipating a good crop from the acres that were planted."

Then came the summer of 1983, which the National Weather Service called the hottest since the 1930's. The heat and drouth stress that plagued many farmers also held down seed production yields.

"Typically, parent seed does not produce ears as large as corn hybrids," Wilcox points out. "Those ears become even smaller under stress. Luckily, carryover seed will buffer what could have been a critical seed supply situation for 1984.

"Federal and state laws require germination tests for all new crop and carryover seed and the percent germination must appear on every bag," he says. To arrive at this figure, several samples are taken from each seed lot and tested.

State statutes also specify a maximum number of months from germination testing and tagging to seed delivery. These range from five to 12 months, with most states stipulating a nine-month limit.

Most states also stipulate a germination percentage minimum. Wilcox points out, however, that most companys' quality standards, including Funk's, are higher than state requirements.

Seed returned from dealers and farmers is tested again for germination before storage. If quality standards are met, seed is rebagged, labeled and readied for shipment the next year. Wilcox adds that storage conditions may affect seed performance in germination tests and in the field after planting.

"Excessive heat and humidity can reduce seed germination," Wilcox notes. "Climate control storage helps maintain germination levels."

"A balance of temperature and humidity is very important to make sure seed is viable when it leaves the warehouse," says John Sumrall, Funk manager of engineering services. "Humidity has a greater effect on germination than does heat. To ensure proper storage conditions, the equipment is controlled electronically and Funk makes frequent manual checks of temperature and relative humidity so the sum of both does not exceed 100."

Wilcox concludes, "The bottomline for farmers is that all seed that reaches their fields, whether carryover or new crop, must meet stringent standards. Hybrid seed quality will not suffer because of PIK carryover or a tough seed production year in 1983."

Tree seedlings available

SPRING GROVE — Landowners are reminded that it is time to plan for tree planting to be done in the Spring of 1984. The Glatfelter Pulp Wood Company, Spring Grove, will share, on a 50-50 basis, the cost of seedlings with interested landowners. Since the inception of the Company program in 1951, more than 17 million seedlings have been furnished to landowners in these south central Pennsylvania counties: Adams, Berks, Cumberland, Dauphin, Franklin, Fulton, Juniata, Lancaster, Lebanon, Perry, Schuylkill, Snyder and York.

Tree seedlings available this year under the Glatfelter program are Austrian pine, Virginia pine, Japanese larch, white pine, Norway spruce and white spruce. Orders now being accepted will be filled on a first-come, first-serve basis. All seedlings are furnished by the Pa. Department of Environmental Resources. The Glatfelter Company imposes no restrictions of any kind, but landowners planting these trees must comply with State regulations regarding these trees. For example, they may not be used for Christmas trees, decorative or ornamental uses for for windbreaks. Minimum order acceptable is for 1,000 seedlings, which will plant 1½ acres. All trees become the property of the landowners who may harvest them at a future date for any wood product.

The Glatfelter program has an overall dollar limitation. Seedling orders will be accepted by the Division on a first-come basis until the Glatfelter program dollar limit has been reached. After that, the entire payment for orders will be the responsibility of the landowners.

If you are a landowner who is planning to plant tree seedlings in 1984, act now! The supply of seedlings for the 1984 season will be limited. For information about placing your order, see your local County Agent, your Bureau of Forestry District office or write directly to The Glatfelter Pulp Wood Company, Spring Grove, PA 17362.

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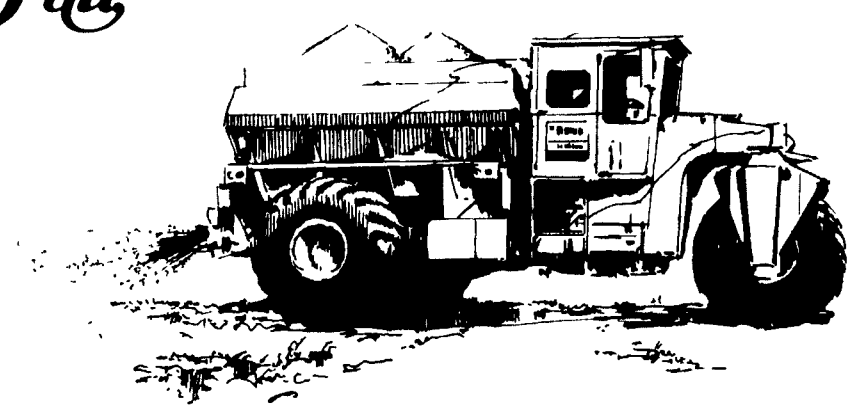

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Fultonway Tradition Pleasure.

Atlantic picks Fultonway bull

LANCASTER — Fultonway Farms of Willow Street is the breeder of a Holstein bull which is entering the young-sire sampling program at Atlantic Breeders Cooperative. He is Fultonway Traditions Pleasure, known as 15H525 Pleasure, a son of Sweet-Haven Tradition.

Director of Operations Harry Roth points out that Pleasure will be randomly mated by artificial insemination to approximately 600 Holstein cows on official test in the herds of Atlantic members. After entering the milking string, his daughters will be evaluated. Satisfactory results of these evaluations earns Pleasure a spot among the active sires at the Lancaster facilities.

Pleasure's sire's impressive July 1983 statistics include +2,354M at 92 percent repeatability and a PDT of +1.46. Tradition is a son of Elevation an out of a VG-89 dam with lifetime production credits of 231,150M 6,992F in 2,927 days. Wible Farm Glendell Mina, Pleasure's dam, is sired by Glendell Arlinda Chief and sports a July 1983 cow index of +1,912M and +44F. The maternal grandam in this pedigree is a daughter of a past popular sire at Atlantic, Penstate Ivanhoe Star.

Moderate fungicide doses help control disease

UNIVERSITY PARK — Spraying plants with moderate or sub-lethal dosages of fungicides that enter plant systems is a dramatic new concept being developed by College of Agriculture scientists at Penn State.

The research in Penn State's College of Agriculture is the first to study the effects of moderate dosages of systemic fungicides to restrict disease development, declared Richard R. Nelson, plant disease scientist. He said that systemic fungicides used at recommended lethal dosages replaced many dusts and sprays about ten years ago.

Systemic fungicides, he noted, are taken up by plant systems almost immediately after they penetrate leaf surfaces. Systemic fungicides move within plants for varying lengths of time, providing almost complete protection with much lower rates than chemicals applied to protect leaf surfaces.

He indicated that certain combinations of resistant genes can restrict disease development, keeping it at insignificant levels. Nelson and fellow scientist Richard D. Schein have found that mild or sub-lethal doses of systemic fungicides can mimic the effect of the resistant genes.

"We ask ourselves whether dosages of systemic fungicides could mimic the durable disease resistance built into plants by superior but costly plant genes. The answer is yes," Nelson affirmed.

Extensive experiments have been carried out on powdery mildew of winter wheat. The Penn Staters established the dosage range to be evaluated and the method and timing for applying the chemical.

"Significantly less diesease developed," Nelson reported, "using one-fifieth and less of the recommended field dosage. The amount of powdery mildew that developed on plants treated with moderate dosages was almost identical to the amount of disease developing on plants having moderate genetic resistance."

The first year's field trials with moderate (sub-lethal) dosages of systemic fungicides were inconclusive. A spring drought reduced the amount of mildew on wheat.

However, encouraging results were obtained when the extent of mildew was compared among several moderate dosages. Using a fraction of the recommended dosage, powdery mildew on wheat was reduced by one-half compared to untreated plots. This testing compared the number of leaves with and without mildew.

Similar results were obtained in experiments with stem rust of wheat and rice blast, the latter the most damaging disease of rice.

Nelson pointed out that most cultivated crops can "live with" a certain amount of foliar disease without heavy yield losses. It is also known he added, that combinations of resistant genes can manage, as opposed to control, plant disease to acceptable levels without severe crop losses.

"Most scientists agree," Nelson said, "that sub-lethal or moderate disease resistance lasts far longer than genetic resistance built into plants to give complete disease control. Moreover, new races of fungi arise to overcome genetic resistance. This sends scientists searching for another effective gene, a long and costly process," he added.

With moderate dosages of systemic fungicides, rate of development and spread of fungus is reduced enough to make a disease unimportant, Nelson claimed.

Recommended dosages of systemic fungicides have certain shortcomings. Nelson said several fungal parasites eventually resist the effects of systemic fungicides. When this occurs, scientists must find another effective compound. Using moderate dosages of systemic fungicides may prolong their effectiveness, he explained, by minimizing development of resistant strains of parasites.

Reserve V corn is released

WASHINGTON, D.C. — Corn placed in the farmer-owned reserve after June 30, 1982, was released for redemption, effective immediately, by Everett Rank, executive vice president of the U.S. Department of Agriculture's Commodity Credit Corporation.

Rank said this means farmers now may sell - but are not required to sell - their reserve V corn after repaying their CCC price support loan. This corn had been removed from release status Nov. 1 when the adjusted price had fallen 1 cent below the reserve release level.

The reason for today's action, he said, was that the national average price received by farmers for corn had reached $3.25 per bushel, the same as the $3.25 per bushel release level for reserve V corn.

USDA makes storage payments to farmers with grain in the reserve. Upon repayment of the loan, farmers can keep the storage payments earned through the date of repayment.

Release of reserve V corn will continue through Dec. 31, Rank said. If the five-day national average market price remains at or above $3.25 on Jan. 3, storage earnings will stop and interest on the price support loan will begin to accrue for corn that has been in reserve V for more than one year. Interest already is accruing on loans for corn that has been in reserve less than one year.

If the Jan. 3 price falls below $3.25, reserve V corn no longer will be in release status and farmers will continue earning storage payments.

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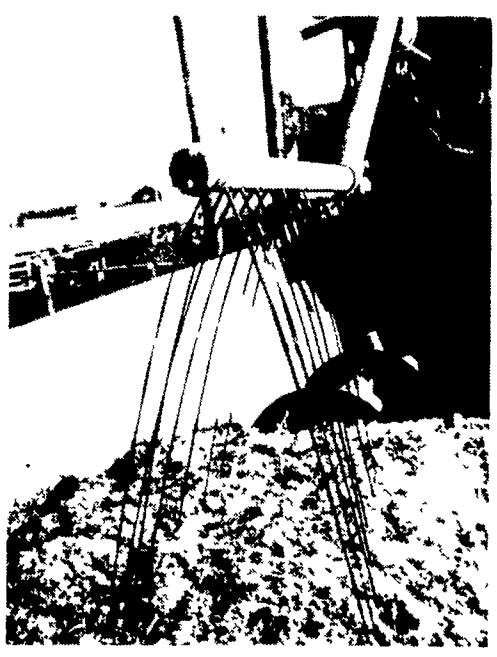

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Swine genetics come of age

ST. LOUIS, Mo. — America's swine breeding industry has come of age. Many of today's commonplace genetic concepts were considered major innovations when first introduced, reports Kleen Leen, Inc., a swine breeding stock supplier, celebrates its 21st birthday this year.

"Twenty-one years does not seem like a great deal of time to life-long farmers, but an enormous amount of progress has occurred to change and improve the swine industry in that time," declares David Cardin, Kleen Leen president. "Producers looking at their business today may recognize improvement in feeds, facilities, management techniques and herd health. But some of the greatest breakthroughs came in swine genetics, and many of these went unnoticed," he continues.

Cardin believes genetic improvements are often overlooked because "they can only be measured by good production data. But, in the last 21 years, important advancements have been made, not just in the gene pool that is the basis of the nation's breeding herds, but in the way replacement stock is selected for a specific hog operation," he explains.

"Producers now can select boars and gilts for improved herd health, for increase of certain economically desirable traits in their market hogs, or for improvement of litter size. And they can make a selection based on herd data and the experience of other producers. This was not commonplace in 1962," adds Cardin.

Improves Breeding Stock

He cites recent developments in Kleen Leen's purebred herds as an example of quiet but very significant changes in the breeding stock available to producers today. "We raise purebreds that are the genetic foundation of the crossbreds we sell as breeding stock. Since 1979, our average Yorkshire litters are an entire pig larger, Landrace litter weights have increased 14 pounds at 21 days, Hampshires have lost a tenth of an inch in backfat, and all four of our lines (the other being Duroc) are getting to 220 pounds market weight 10 to 14 days sooner," he declares.

Improvements that can be measured by performance data are only part of the story, Cardin continues. "The other part of the story is the increasingly sophisticated hog producer who recognizes the value of efficiency in pork production and is willing to make changes, including investing capital to increase productivity.

"Twenty years ago, selling crossbred breeding stock required a tremendous amount of education. Today, most hog producers are familiar with the advantages of heterosis, or hybrid vigor, and make purchase decisions for breeding stock based on data, and not on loyalty to one specific line," Cardin insists. "One of the reasons we see less overall resistance to our crossbreds," he explains, "is that when Kleen Leen was started, a decision was made to market recognizable crosses. Producers who purchase a crossbred boar or gilt usually know something about swine genetics, and often like to select an animal based on traits and breeds with which they have had experience. Recognizable crosses have helped put · out crossbreds into the mainstream of the industry," he adds.

Health concern

Another factor that has boosted growth of the seedstock business is the need to purchase healthy animals. According to Cardin, concern for herd health is actually the reason Kleen Leen was formed in 1962 by an Indiana veterinarian who pioneered the large-scale use of hysterectomies with the development of Kleen Leen foundation herds. Health is still a major reason why producers purchase commercial breeding stock.

In the last 20 years, the economic impact of certain diseases has grown more severe. As a result, producers are willing to invest money on specific breeding stock because they are often uncertain about the disease level that may be present in the herds of some suppliers. In most cases, producers demand health warranties and herd certification that the larger seedstock companies may provide.

"As an example," Cardin points out, "Kleen Leen offers specific health warranties against certain swine diseases — swine dysentery, infectious atrophie rhinitis, lice and mycoplasma pneumonia — and all its breeding herds are qualified free of pseudorabies and validated free of brucellosis."

The company continues to develop techniques to limit the risk of disease in an operation. Although a long-time user of artificial insemination in both its purebred herds and the breeder herds that produce Kleen Leen crossbreds, the company recently began offering boar semen to the entire industry. "It is a small part of the genetics business, but a growing part that is playing an

(Turn to Page D11)

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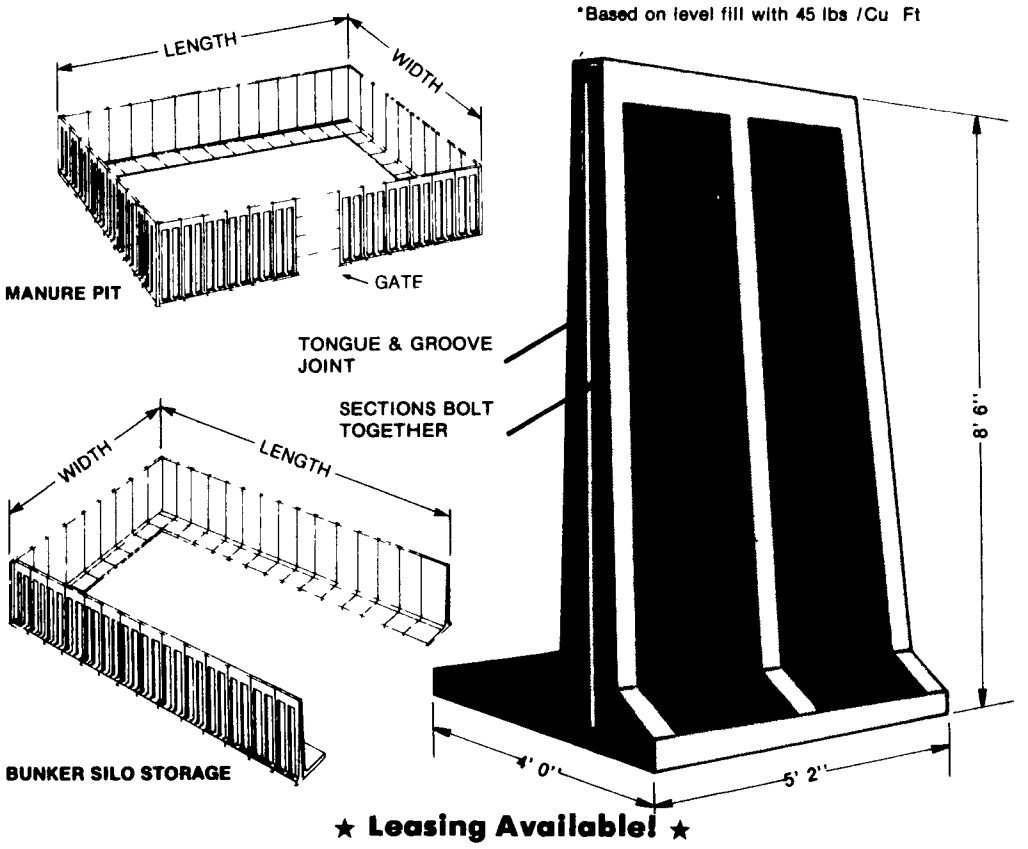

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Swine genetics

(Continued from Page D10)

increasingly important role," comments Cardin. "Artificial insemination is a good example of a technique traditionally used only in research labs and universities. Today, AI is becoming more commonplace because of the existence of seedstock companies," he adds. One reason is the use of test data to select boars. Kleen Leen performance tests all the boars it sells, and this practice is now becoming an industry standard.

Feed utilization

With all these advances, Cardin says the bottom line is improving the genetic potential and economic efficiency of breeding stock. "The foundation of the hog industry rests on an animal that utilizes feed at an efficient rate — because feed costs account for well over 50 percent in the total expense of running an operation," he declares. "Improvements in the economic efficiency of the nation's breeding stock has important long-term consequences for the industry," he adds.

"I am certain the animals we produce will become even more efficient over time," Cardin says. "For example, Kleen Leen uses a measurement index called GPR (genetic potential rating) to select for economically important traits. Our company has continued to measure these same traits year after year, and has collected data that shows that a top boar of five years ago would be considered below average today. This trend is continuing and I don't see the industry plateauing," Cardin concludes. "Boars and gilts will continue to be better molds than their ancestors, and I don't expect this company, or the industry, to face a mid-life crisis at the end of the next 21 years. This business is testimony to the benefits of constant change and improvement."

Woodlot demo planned Tuesday

LAUREL, Del. — The public is invited to a demonstration of woodlot management and chain saw safety techniques on Tuesday, Nov. 29, at 1 p.m. on the Brad McWilliams farm southwest of Laurel. The event is being sponsored by the University of Delaware Cooperative Extension Service and the forestry section of the Delaware Department of Agriculture.

A woodlot near the farm has been selected to demonstrate control of broadleaf underbrush, selective tree removal, and other management techniques that can add to the value of a lot.

Dan Tilton, safety director of the Tilton Equipment Company in Rye, N.H. will discuss proper tree felling techniques and chain saw safety.

To get to the McWilliams farm, take Route 24 approximately one mile west of Laurel (past the Laurel airport). Turn left on County Road 510. Proceed about two miles to the farm. Directional signs will be posted.

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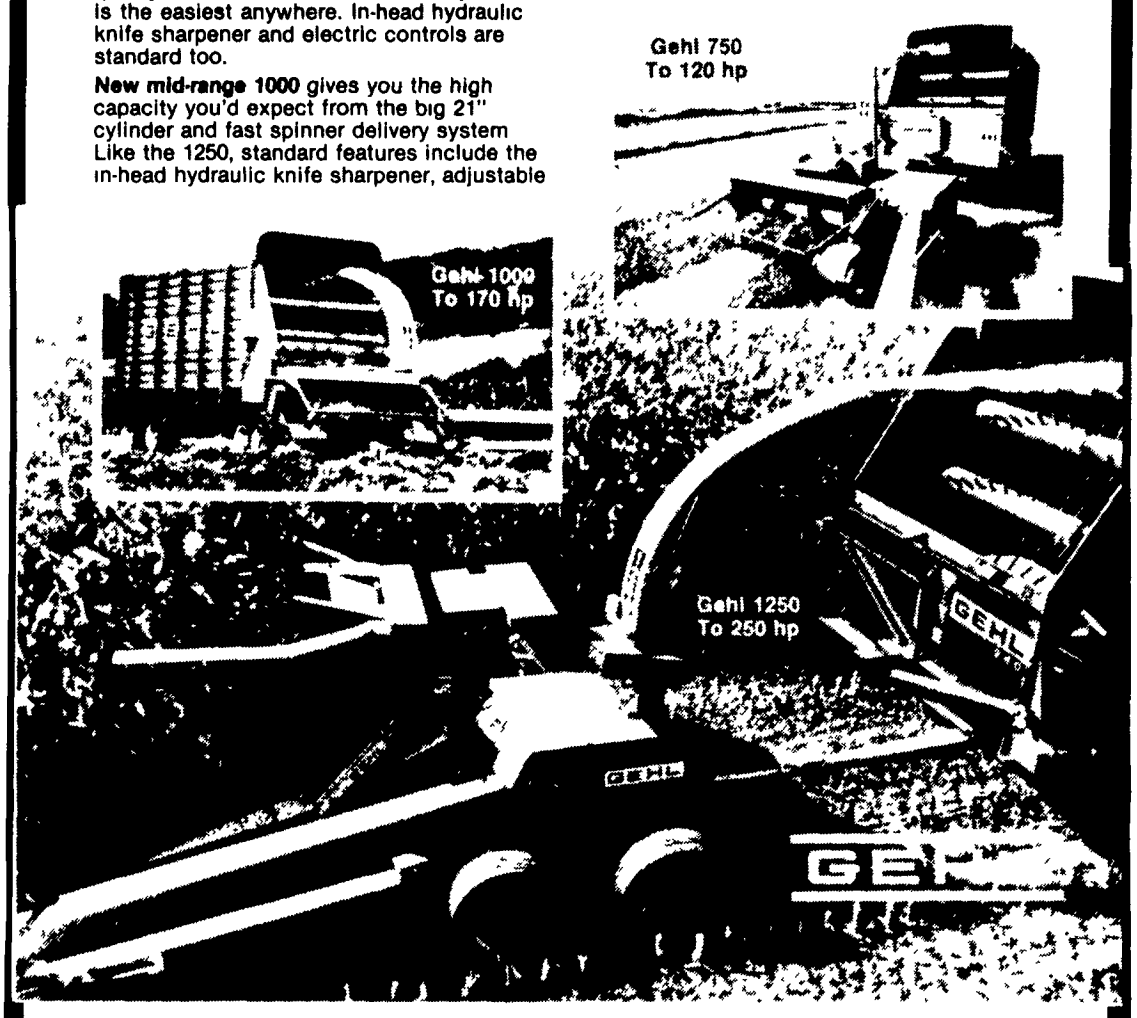

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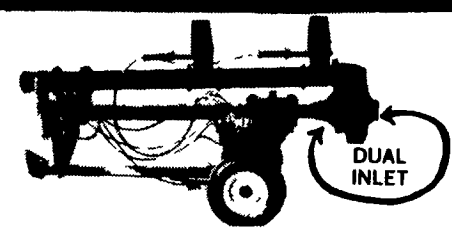

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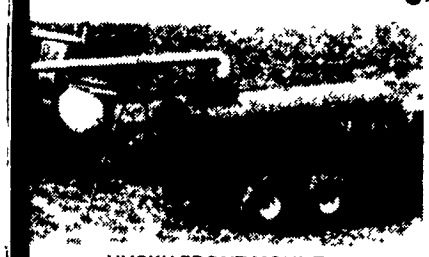

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Quiz experts at no-till conference

TIMONIUM, Md. — You'll have a good chance to "quiz the experts" during next month's 10th annual Mid-Atlantic No-Till Conference, set for Dec. 14 at the Maryland State fairground in Timonium.

Departing the traditional format involving an all-day schedule of speakers, this year's educational program in Exhibition Hall will feature formal presentations only in the forenoon.

After lunch in the fairground's 4-H and Home and Arts building, participants may return to Exhibition Hall to hear the speakers answer questions raised by their morning presentations. The rest of the afternoon may then be spent corralling speakers for answers to individual questions, or visiting back in the 4-H and Home Arts building with 52 commercial exhibitors who have reserved space for information booths and equipment displays.

Sponsoring organizations include the Cooperative Extension Service at land-grand universities in Pennsylvania, Delaware, Maryland, New Jersey, Virginia and West Virginia. Financial and program support is provided by interested agribusiness firms.

Registration for the daylong event will get under way in Exhibition Hall on the Timonium fairground at 8 a.m. The morning program will begin in the same location at 9:30 a.m. Early arrivals will have the opportunity to visit commercial exhibits in the fairground's 4-H and Home Arts Building before the formal education activities get started. Free coffee and doughnuts will be served.

General chairman of the planning committee for this year's Mid-Atlantic No-Till conference is Robert L. Jones of Westminister, Md., the University of Maryland Extension director in Carroll County.

Conrad reports that $3 lunch and admission tickets are now available from most county Extension offices in Pennsylvania, Delaware, Maryland, New Jersey, Virginia and West Virginia. They should be purchased in advance, not later than Dec. 5. More than 1,500 farmers and agribusinessmen from the six-state area are expected to attend.

The Maryland state fairground, site of this year's no-till conference, is located in the 2200 block of York Road in Timonium, north of Baltimore. If coming from the north on highway I-83, turn off at exit 17A and make a right on York Road. Proceed two-thirds of a mile and make another right-hand turn at the fairground's north gate — near the 4-H and Home Arts Building.

Pesticide recertification due next year

NEWARK, DEL. — Commercial pesticide applicators in three categories must become recertified by the end of Dec., 1984, according to new deadlines set by the U.S. Environmental Protection Agency. Those affected are: rodent and structural commercial pest control operators (PCOs), custom applicators or agricultural materials, and ornamental and turg managers working with golf greens or home lawns and landscapes.

According to University of Delaware extension entomologist Mark Graustein, to become recertified each applicant must attend enough approved workshops or training sessions to earn a total of eight credits.

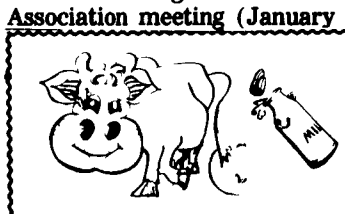
Graustein says the University of Delaware Cooperative Extension Service is planning several educational programs this winter to help Delaware applicators review and update their skills.

In February there will be a two-day workshop for PCOs. Individuals who attend this Delaware Pest Control Short Course most likely will be awarded eight credits.

Applicators in the ornamental and turf category can attend a half-day workshop in early spring - probably March. Emphasis will be on pesticide safety. An appropriate number of credits will be awarded.

Individuals in the agricultural/plant category may obtain credits by attending a number of upcoming meetings including the Peninsula Horticultural Society's ornamental and vegetable sessions (November 15 and December 8, respectively, at the Wicomico Youth and Civic Center in Salisburg, Md.); county extension crops meetings (December 12 at Delaware State Fairgrounds Restaurant in Harrington, December 13 at Clayton Fire Hall, and December 16 at the University of Delaware Substation in Georgetown); the Delaware Vegetable Growers Association meeting (January 24-25 at the Sheraton Inn in Dover); and the pesticide calibration workshop (which will be held in March on the University of Delaware campus in Newark).

For further information contact county extension offices in Newark (738-2506), Dover (736-1448) or Georgetown (856-5250).



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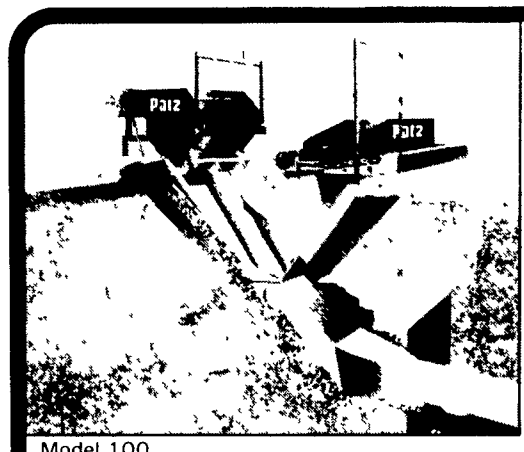

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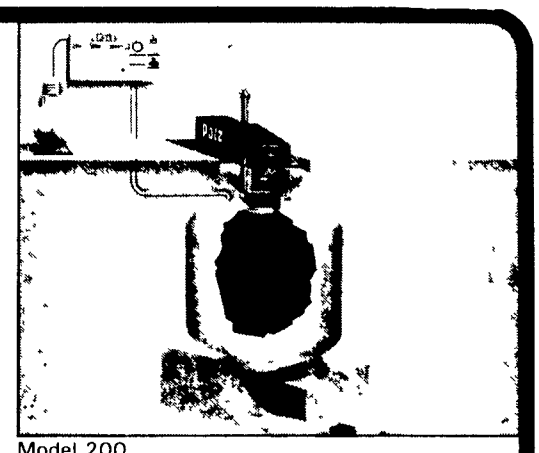

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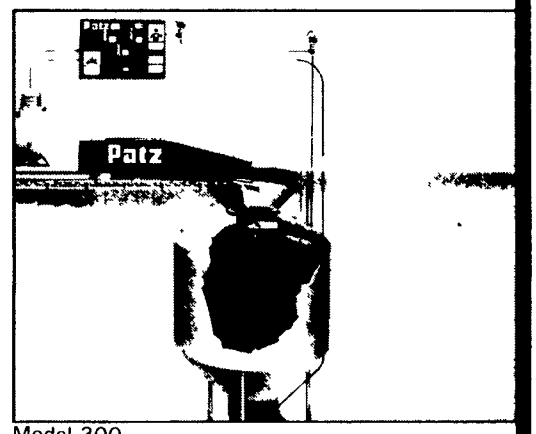

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Md. forage conference set Dec. 7

WESTMINSTER, Md. — A discussion of hay marketing by five area farmers and dealers will be among the highlights of the Central Maryland Forage Conference Wednesday, Dec. 7, at the Carroll County Agricultural Center in Westminster, Md.

John Myers, a Prince George's County hay dealer whose customers include many area horse breeders, and Frank Wilmot, a Montgomery County farmer who operates a solar hay dryer, will be among the five panelists.

The day-long conference is sponsored by the Maryland Cooperative Extension Service and several agribusiness firms and will feature both an educational program and commercial displays.

More than 20 agribusiness firms, including chemical, seed and equipment dealers, will have exhibits at the conference. Several of the machinery exhibitors are expected to have large equipment on display outside the building in which the conference will be held.

The educational program will begin at 9:30 a.m. with a showing of "Hay Today". Following the film, Jack Crane, director of engineering, research and development for Sperry-New Holland, will discuss the latest innovations in forage handling equipment.

At 10:40 a.m., Morris Decker, an Extension forage specialist at the University of Maryland, will outline recommendations for a winter grazing program. In the last few years, Decker has been able to graze cattle into March on tall fescue-red clover pasture at the Beltsville Agricultural Research Center.

Following Decker, John Baylor, a former Extension specialist at Penn State University, will discuss a program for maximizing alfalfa yields. Baylor, who currently serves as a consultant for the Beachley-Hardy Seed Company, helped organize the Pennsylvania Forage and Grasslands Council. For many years, he conducted that state's alfalfa yield contest.

After lunch, the program will resume at 1 p.m. with a brief talk by Les Vough, another Extension forage specialist at the University of Maryland, outlining the organization and goals of the newly formed Maryland-Delaware Forage Council.

Then, Ken Evans, an Extension agronomist at the University of Kentucky, will discuss making silage in a bale. The relatively new practice reportedly reduces storage losses and allows farmers to bale at higher moisture levels.

The hay marketing panel will conclude the program, scheduled to end by 3 p.m.

An admission ticket, which costs $5, includes lunch, which will be served at the Ag. Center. Tickets must be purchased by Thursday, Dec. 1. Call your local Extension Office for details.

Registration will begin at 9 a.m. on the day of the conference. Free coffee and donuts will be available.

FARM CREDIT SERVICE

Farm Credit News

Scholarship reported

The Board of Directors of the Southeast Farm Credit Association is pleased to announce the availability of its third annual $500.00 scholarship toward the higher education of a student planning to pursue a career in agriculture.

The Southeast Associations have offices in Avondale, Silverdale and West Chester serving over 2,000 members of the agricultural community in Bucks, Chester, Delaware, Montgomery and Philadelphia counties with long and short term financing.

One of the requirements of the applicant is that his or her parent(s) or guardian(s) must reside in one of these counties. The applicant must be a high school senior planning to attend a four year college on a full-time basis with agriculture or agri-business as the major emphasis of study.

Notification of the availability of the scholarship is being sent to the Administrators of the secondary schools in the five county area. We also intend to reach as many of the private schools in the area as possible; the scholarship is not limited to the public school system. Anyone whose educational institution was not contacted should not consider himself or herself excluded from requesting an application form. They are encouraged to contact the Southeast Farm Credit Associations, Administrative Offices, P.O. Box 514, West Chester, Pa. 19380 or telephone (215) 431-1257.

The Southeast Associations' Board of Directors views it as an investment in the future of agriculture.

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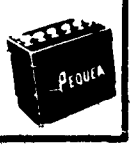

Smith cites contributions of Lackawanna ag

SCRANTON — Dr. Samuel H. Smith, dean of Penn State's College of Agriculture and director of the Penn State Cooperative Extension Service was the featured speaker at the annual meeting of the Lackawanna County Extension Service. Dr. Smith spoke on "A New Commitment to an Old Partnership" and the importance of agriculture in the county.

The partnership to which he referred is the county, state, and federal partnership of the Cooperative Extension Service. It is also the partnership which links the resources of the land grant university at Penn State to the people of Pennsylvania.

Like any public organization, Extension needs to constantly adjust and change to meet the changing needs of the people it serves.

"I have been telling people across the state something that I firmly believe and that is both agriculture and colleges of agriculture are in a period of transition," said Dr. Smith. "As we continue to develop new knowledge and new technology, we must get it into the pipelines to the users as quickly and efficiently as possible."

Dr. Smith commended the Lackawanna County Commissioners for providing more than $24,000 in county funding for Extension in 1982. If housing and other extra services provided are included, this amount would be closer to $50,000.

The amount of federal and state dollars that came from Penn State to support Lackawanna Extension programs totaled $138,799 in the fiscal period ending June 30 of this year.

Lackawanna's agricultural operation includes 400 productive farms that brought in cash receipts of more than $12 million last year. Dairy products brought in slightly more than $4.2 million of this total and meat animal products added another $4.1 million.

Dr. Samuel H. Smith

Lackawanna County has many businesses that are considered ag-related. They provide agriculture with goods and services, process, transport or distribute ag products and generally add to the economy of the county.

The lumber industry is a good example. Over sixty percent of the land area is forested. People do not generally consider forest products part of the "agricultural economy" but these are county products that result in income and employment for Lackawanna County.

Dr. Smith pointed out that the lumber and wood products industry is comprised of 24 establishments employing 412 people.

"Local support for Extension projects has been outstanding in this county," said Dr. Smith. "Your adult leaders have increased 25 percent and 4-H enrollment has doubled over the past few years. Fertilization and variety programs saved farmers $43,000 during the 1983 growing season."

With the introduction of new hybrid varieties and the expansion of production, Lackawanna County has become a center of distribution for tomato plants. This year over six million transplants provided gross sales of nearly $250,000.

Dr. Smith talked about some of the trends which are developing in agriculture.

"I believe that despite some temporary setbacks as a result of the general economic recession, some overproduction in dairy products, and the drought this year, there is strong evidence for continued growth of Pennsylvania agriculture," said Dr. Smith.

Pennsylvania has the fastest growing livestock and poultry industry in the Northeastern states at the present time.

Pennsylvania also leads the Northeast in food processing and manufacturing and plays a major roll in food distribution.

Pennsylvania export markets are also growing. Pennsylvania's agricultural exports reached a record $565 million in 1982, up from $300 million in 1978. Approximatley 4.5 percent of the state's agricultural and food products were exported last year.

It is generally recognized that a major reason for U.S. agriculture's amazing success is its technological base. At the heart of this base are the research and educational programs of landgrant universities, such as Penn State.

There is a concern at the national level that Extension improveds what is called the "technology transfer network" of the USDA/Land-Grant System.

The dean explained that Pennsylvania is moving ahead on plans to use computers to collect and relay information swiftly between researcher, Extension workers, and clientele groups.

Penn State will be asking, in fiscal 1984-85, for $1.9 million through Penn State's operational budget request to the state legislature to purchase the necessary hardware and software to establish an Extension Computer Network in Pennsylvania.

Penn State has been selected as the site of a Northeast Computer Institute serving agriculture and Extension in 11 participating

(Turn to Page D16)

Lackawanna Extension honored

Sam Smith, Dean of the College of Agriculture at Penn State, presented certificates of recognition for cooperation in the Extension program at the annual meeting of the Lackawanna County Cooperative Extension Association.

First row, left to right, are Fred Eckel, Schultzville; Audrey Naylor, Factoryville; Dr. Smith and Tom Jurchak, County Extension Director.

Second row, Keith Eckel, Schultzville; Wilfred Richards, Dalton; Roy Thompson, Newton; James Schrig, Dalton; Doug Eckel, Schultzville; Richard Pallman, Newton; William Schlosser, Clarks Summit; and Brian Pallman, Newton.

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Charles S Snyder Inc
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Troy, PA
The Warner Co
For You The Farmer
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717 297 2141

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S G Lewis & Son, Inc
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Walter G Coale, Inc
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301 734 7722

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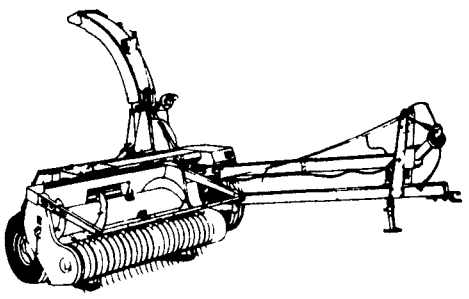

P.T. FORAGE HARVESTER DIVIDENDS

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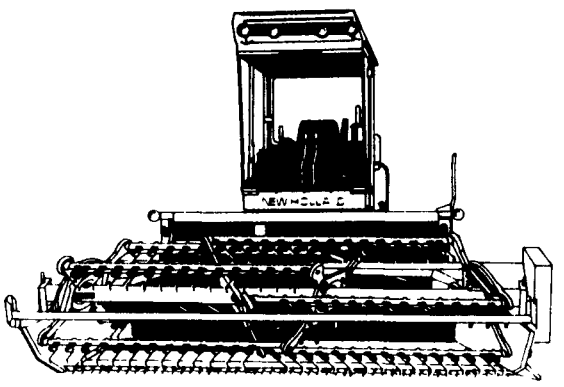

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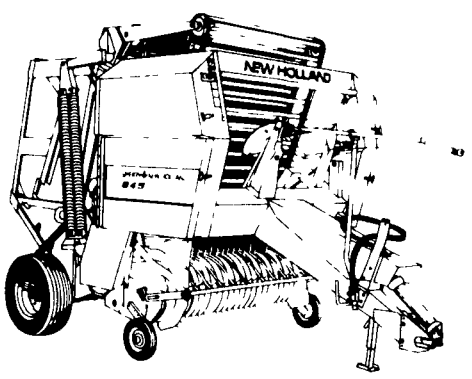
SECOND PURCHASE $1800



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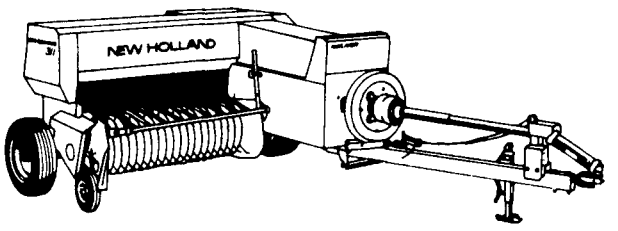

SQUARE BALER DIVIDENDS
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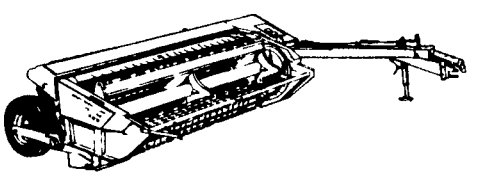
SECOND PURCHASE $900



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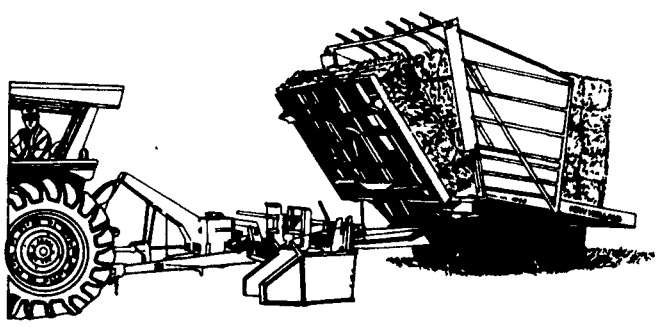

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INITIAL PURCHASE $800
SECOND PURCHASE
$2400

SELF PROPELLED FORAGE HARVESTER DIVIDENDS
INITIAL PURCHASE $1000
SECOND PURCHASE $3000

Testing milk protein's profitability

UNIVERSITY PARK — Since some processors are changing their pricing system to include a bonus for high protein milk, it may be economically rewarding for dairy farmers to breed for increased protein content, says Dr. George Hargrove, Penn State professor of dairy science.

Protein content is receiving more attention because more cheese is being produced. Because the protein content is an important factor in determining the amount of cheese made from milk, many cheese manufacturers are willing to pay more for high protein milk.

"Paying a premium for protein has been widely talked about in the industry and several processors are marketing cooperatives, including one in western Pennsylvania, have already adopted the idea," says Dr. Hargrove.

The new pricing system would not eliminate the fat differential but would work in conjunction with it, Hargrove says.

Look at the pricing system used by your processor and breed for the kind of cows that will provide the most income.

But if you think your processor may begin to pay for high protein milk and you want to begin to breed for protein content, you should begin to do it soon, he says, since calves conceived today will be your milking herd of the future.

Pennsylvania DHIA herds are routinely tested for protein content, so these farmers can begin to make selections for high protein without any further cost.

In recent research, Hargrove looked at two aspects of the protein question. He first looked at it genetically to see the relationship between the protein content and heritability.

Protein, like fat content, is heritable and differs from breed to breed. Protein and fat content are also linked together somewhat so you can not change one factor drastically without changing the other in the same direction.

Then Hargrove examined several pricing combinations each involving the redistribution of money paid for milk to take the protein content into consideration.

The research determined for each pricing combination, the optimum selection strategy and the expected genetic gains or losses in fat and protein contents and the fluid portion.

Because of the interrelationships between the fat, protein and fluid weight, gains in fat and protein content usually mean a decrease in fluid weight, or vice versa, depending on the market price.

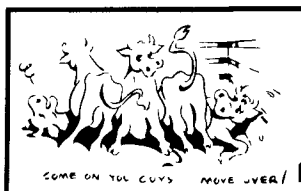
For it to be profitable to select for high protein content, he says, the protein bonus needs to be near six cents per point.

Lackawanna ag

(Continued from Page D14)

states. Just two weeks ago, Penn State received an $879,000 matching grant from the W.K.Kellogg Foundation to establish this computer institute.

A new educational network, called PENNARAMA, is under development to link communities throughout the Commonwealth with a programming service. This network will eventually distribute Extension educational programs to three to four million cable TV subscribers.



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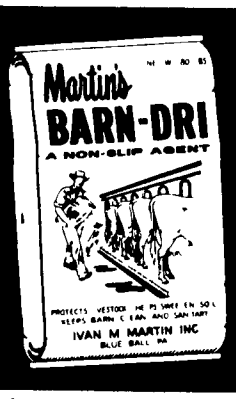

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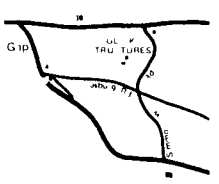

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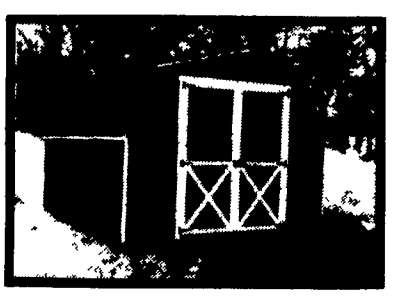

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8x12 ..... $480	12x14 ..... $750	12x28 ... $1270
8x14 ..... $520	12x16 ..... $810	14x24 ... $1545
		14x28 ... $1895

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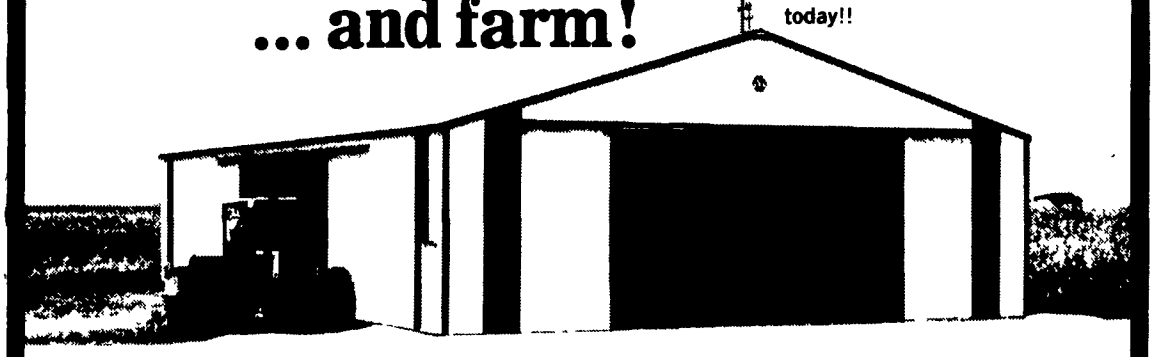

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Name
Address
Phone No

Dauphin County DHIA Monthly Report

dhia Pennsylvania Dairy Herd Improvement Association

October Report

OWNER	BREED	NO. COWS	LBS. MILK	LBS. FAT
Restful Acres	H	92 2	20,296	712
Roy M Brubaker	H	74 6	19,097	673
John Hertzler	H	79 4	18,214	669
Robert J Schaffer	H	61 6	18,145	638
J Melvin Brandt	H	73 6	16,700	635
John Roy Book	H	66 3	17,234	635
Earl Campbell	H	52 3	16,465	635
Robert H Beach Jr	H	45 6	16,568	632
Crissinger Dairy Farm	H	82 1	16,538	628
J Richard Alwine	H	62 9	16,741	627
Catalpa Farms	H	134.3	19,497	623
Conewago Farms	H	43.3	15,721	616
Robert Oellig	H	37.9	16,351	615
Calvin B Mauser	G	69.4	13,271	611
A Grand View	H	118.5	17,076	607
Larry L Boyer	H	26.1	16,415	606
Roy C Wilbert	H	37.7	17,836	604
Mahlon L Lehman	H	56 2	16,973	604
Arthur Brandt	H	99.1	15,962	595
Elwillo Farms	MB	133 7	16,319	595
Stoney Lawn Farms	H	60.2	17,403	592
Wilmer Campbell	G	62.9	13,361	585
Harold M Nissley	H	43 3	17,272	584
Great View Farms	H	50.4	16,390	583
Wil-Lene Farms	H	66 2	16,763	577
Donald Engle	H	78 4	15,813	568
Lytle Farms Inc	H	99 6	16,913	564
Sher Mar Acres	H	51 7	15,209	552
Amos Esh	H	42 2	15,357	551
Dale F Faust	H	43 7	15,872	537
James Lesher	H	41 8	14,516	535
Homer Campbell	H	83 4	14,482	521
David Stoltzfus	H	28 9	14,349	518
Noah W Sauder	H	45 6	14,791	518
Paul E Clugston	H	96 7	14,280	515
Floyd Feidt	MB	72 0	13,613	509
R Own Dairy Inc	H	78 0	14,060	508
Lauden Farms	H	156 2	14,097	504
Bryncoed Farm Jersey	J	136 5	10,561	503

OWNER NAME OR NO.	AGE	LBS. MILK	% FAT	LBS. FAT
Byrncoed Farm Jersey				
274	6-9	15,150	5 0	757
443	4-1	13,154	4 6	606
John Hertzler				
Trina	5-1	15,829	4 6	733
Dolly	4-1	25,023	2 9	731
Terri	2-3	17,155	4 1	701
Conewago Farms				
Cora	4-8	18,738	4 5	841
Robert Oellig				
Della	5-5	18,193	4 1	737
Sophia	3-6	19,698	3 5	688
Cindy 17	3-6	16,648	4 3	711
John Roy Book				
Stumpy	5-10	21,248	4 1	874
Sugar	3-8	20,633	3 6	749
Carrie	3-8	19,291	4 0	762
Whitie	3-1	13,840	4 5	624
Ada	3-5	21,601	3.6	779
Floyd Feidt				
Anita B	11 0	16,647	3 8	631
Camille	7 8	17,791	3 5	624
Chita	5 10	16,379	3 8	616
Carolyn	5-7	17,001	3 6	612
Ruth	0-0	16,527	4 0	667
J Melvin Brandt				
Ginger	10-5	19,637	4 2	821

(Turn to Page D18)

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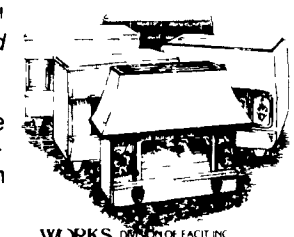

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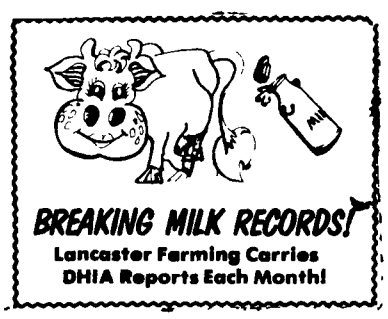
(Continued from Page D17)

Pauletta	5-5	19,089	3 7	708
Polly	4-6	21,188	3 7	781
Wilmer Campbell				
Beulah	3-5	16,815	4 3	716
Phyllis	5-0	15,469	4 4	685
Patti 58	4-6	17,064	4 3	736
R Own Dairy Inc				
65	6-7	18,393	3 5	643
J Richard Alwine				
H-Jonel	2-1	17,055	3 7	631
Roxie	9-2	17,798	4 2	743
Catalpa Farms				
44	6-10	22,313	3 2	712
111	5-0	20,589	3 7	770
258	2-1	19,264	3 4	649
265	2-0	22,411	2 8	628
Stanley R Long				
Jane	5-4	17,473	3 7	638
Neta	4-4	17,344	3 6	630
Lauden Farms				
Vera 28	7-7	17,120	3.5	604
101	4-0	17,146	3 6	624
169	0-0	14,754	4 7	687
Earl Campbell				
138	6-11	16,728	4 2	704
103H	3-3	18,946	4 1	781
Roy M Brubaker				
Linda 22	4-11	21,388	3.4	725
Elaine	4-3	21,562	4 0	861
Judy 61	4-1	19,029	3.3	633
Pam 46	2-3	18,305	3 4	622
Sher Mar Acres				
3	6-1	18,080	3 3	600
Paul E Clugston				
163	3-3	17,354	4.2	722
132	3-10	19,736	3 2	641
Jeff Rode				
42	7-0	19,510	3.3	638
Oel-Dell Farms				
3	5-2	15,662	4.1	636
A Grand View				
4	4-5	25,599	2.8	710
12	7-1	18,304	4.0	724
19	7-2	25,251	2 9	742
29	7-1	20,573	4.4	896
A Grand View				
25	7-1	19,077	4.2	792
38	0-0	22,860	3 2	736
Amos Esh				
4	4-7	17,816	3.8	674
14	0-0	16,957	4 5	760
34	2-1	17,885	3 5	624
Noah W Sauder				
34	6-1	17,472	3 5	603
Larry L Boyer				
Chief	3-11	18,281	3.6	666
Gretta	2-2	13,788	4 4	611



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Soybean field sampling needed

NEWARK, Del. — Since the University of Delaware Cooperative Extension Service began sampling fields in 1979, every year more infestations of soybean cyst nematode have been found. Extension plant pathologist Bob Mulrooney advises producers to continue to sample fields where they have been growing soybeans, or where they plan to grow them next season.

"The problem has been most severe where soybeans have followed soybeans year after year," the specialist says. "I urge those of you who have found SCN on your farm or who are considering buying new land or leasing ground you don't know well, to sample fields after harvest to determine the presence of level of SCN infestation."

Nematode detection forms and instructions for taking samples are available from county extension offices in Newark, Dover and Georgetown. Identifying this problem is the first step toward controlling it. At today's soybean prices an average SCN loss of 10 bushels an acre is a lot of money.

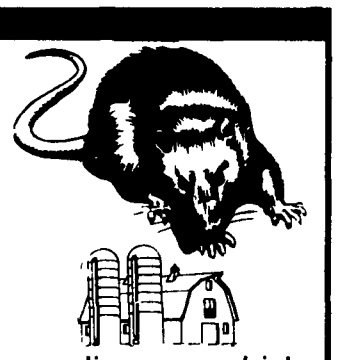
Where the nematode is found, or where a grower has been in continuous soybean culture for several years, Mulrooney strongly recommends adopting one of the following control practices.

First, if economics allow, rotate to some crop other than soybeans.

If this is not feasible, plant a SCN-resistant variety once every three years to prevent an increase in cyst numbers, should they be present or introduced on your farm.

"I would suggest planting a small acreage of several different resistant varieties at first to become familiar with them," the specialist says. "By rotating varieties as well as crops you can also avoid other yield robbers such as Fusarium blight or Dectes stem borer."

ATTENTION FARMERS... FREE ESTIMATES ON RODENT CONTROL



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Energy Edicts

By James W. Garthe

Penn State Ext. ag engineer

Engine pre-cleaners can make air filter elements last five to 10 times longer, says James Garthe, Penn State Extension agricultural engineer.

Since dirt is an engine's nautral enemy, all engines are equipped with an air filtering system of some type. Engines that operate in particularly dusty conditions, such as those in farm tractors, need frequent air cleaner maintenance.

Frequent replacement of air filter elements is not only expensive, but also necessary to keep the engine running efficiently. A properly maintained pre-cleaner will remove 80 percent to 90 percent of the incoming dirt before it reaches the air filter.

Before pre-cleaners were available, the farmer had only three maintenance air filter options: run the engine longer between filter changes, clean and reuse filters, and follow manufacturer's recommendations. All three options can be expensive.

Operating the engine longer between filter changes costs money through increased fuel use and loss of performance.

A filter can be easily damaged when attempting to clean it for reuse. Pounding it on a hard surface to dislodge dirt can damage the seal or the element itself letting dirt pass directly into the engine. Using compressed air may also result in a damaged filter if the element is torn or ruptured, allowing dirt direct access to the engine.

The final option, correct replacement intervals, is the safest bet, but it is costly due to the frequent replacement of an expensive element.

Pre-cleaners, then, are an effective way to save money on filter maintenance without risking engine damage. They are fairly simple devices that can be grouped into three categories: collector bowl, aspirated and flow-through.

All three types separate dirt by spinning air. They differ only in the method by which they handle dirt.

Collector bowl pre-cleaners collect the dirt in a glass or plastic bowl or cup that must be emptied. The aspirated types uses escaping gases in the exhaust system to siphon the dirt out of the pre-cleaner.

The most efficient type is the flow-through pre-cleaner. Dirt is taken from the incoming air and immediately discharged back into the atmosphere. This type is simple and requires no maintenance.

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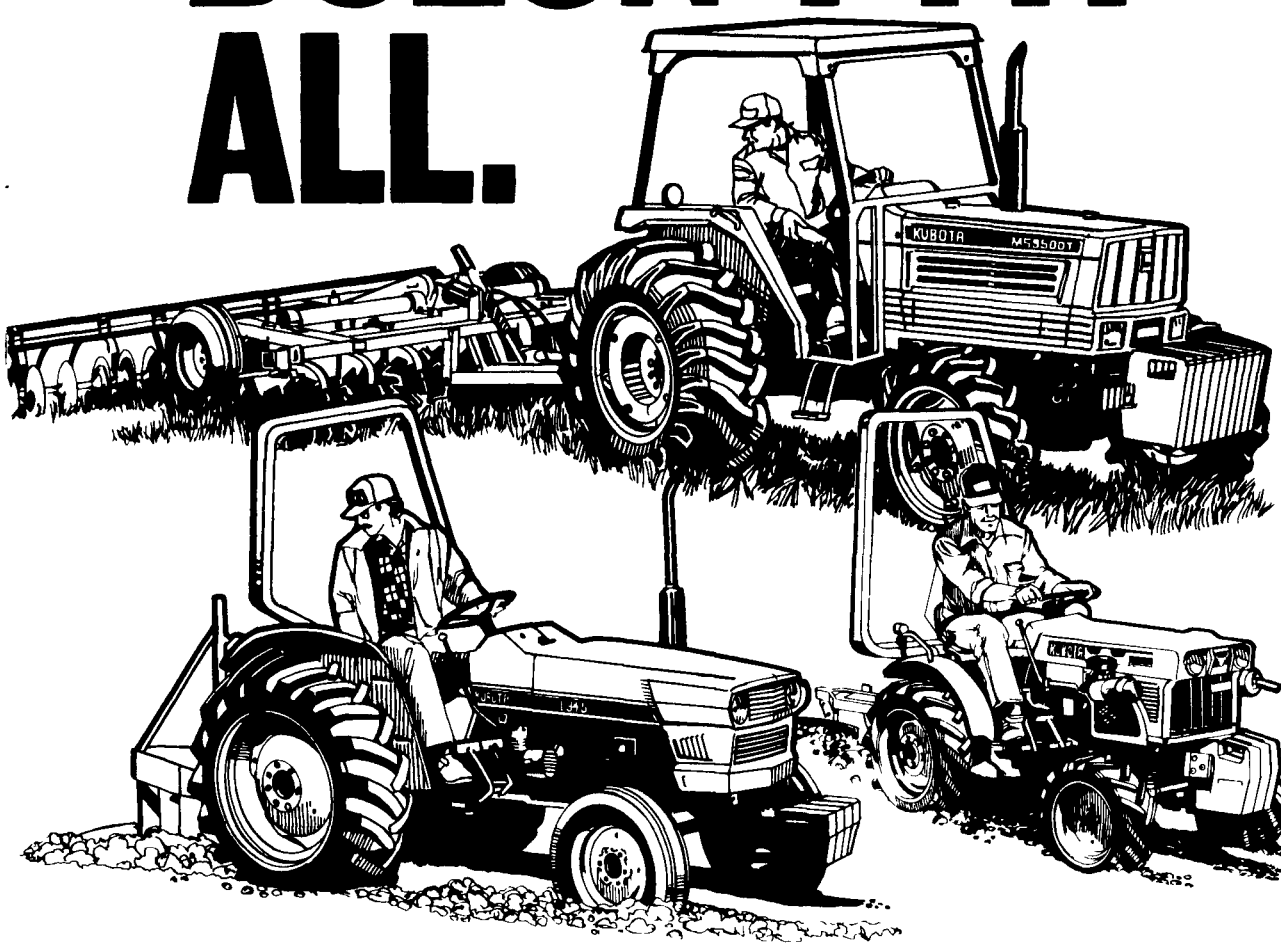

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Franklin County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

September 1983

Listed below are completed lactations of 850 lbs. of butterfat or over.

OWNER NAME OR NO.	BRD	AGE AT CALVING	DAYS IN MILK	LBS. MILK		LBS. FAT
Oakleigh Farm Dot	RH	6-10	305	24,566	4 3	1065
Wayne L. Beidel 49	RH	5-6	305	24,363	4 1	1010
Meyers Bros. Dairy Fredie	RH	5-1	276	23,647	4 3	1008
Oakleigh Farm Marlene	RH	4-7	305	24,492	4.0	990
R.V. & S.V. Hollenshead Mitzi	RH	5-9	305	23,098	4.3	985
Twin-Maple Farms 34	GH	5-6	305	22,331	4.4	978
Harold Goshorn 102	GH	4-4	305	23,680	4.1	963
Carl E. Pugh & Son Mary	GH	6-6	305	29,401	3 2	951
Gaymere Farms 116	RH	6-0	305	22,587	4.2	949
Burk Lea Farms 167	RH	6-9	305	21,844	4.3	940
Gaymere Farms 176	RH	7-0	305	22,325	4.2	933
C. Glenn Daugherty Pride	RH	8-5	305	25,620	3.6	921
Twin-Maple Farms 35	RH	8-1	305	22,720	4 1	921
Keeners Dairy 67	GH	7-7	305	20,650	4.5	919
Lester & Alvin Meyers Glow	RH	7-1	305	22,918	4 0	908
Keeners Dairy 78	RH	8-11	305	20,008	4.5	907
R C. & C.B. Allison Y145	GH	3-3	305	27,356	3.3	899
Ray Wingert 84			305	22,516	4.0	892
Lawrence Lehman 42	GH	5-9	305	21,830	4.1	891
Lawrence Lehman 75	GH	3-3	305	20,833	4.3	890
Twin-Maple Farms 6	RH	7-4	305	22,370	4.0	890
Robert E. Harwood 269	RH	8-1	305	23,547	3 7	879
Robert E. Harwood 71	RH	5-0	305	24,795	3 5	873
Fred E & Dale Rice 370	RH	4-7	305	26,413	3 3	870
Twin-Maple Farms 17	GH	6-9	305	22,294	3.9	867
Oakleigh Farm Marla	RH	4-2	305	19,957	4.3	865
Wayne A Hall Sally-9	RH	6-1	305	24,247	3.6	865
Eugene R. Eberly 70	RH	7-3	305	19,726	4.4	863
Paul D. Eckstine Daisy	RH	4-6	305	24,393	3.5	860
Ray R. Kane Polly	RH	7-8	305	19,700	4.4	859
Fred E. & Dale Rice 179	RH	9-1	305	23,635	3.6	852

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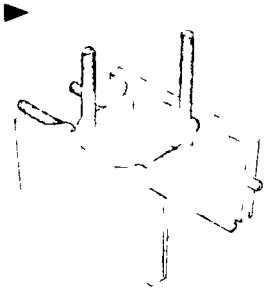

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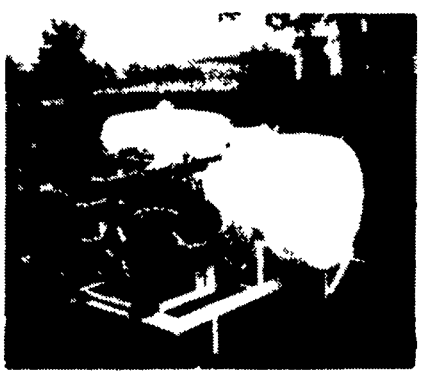

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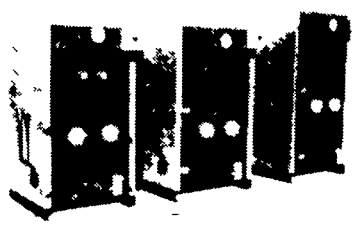

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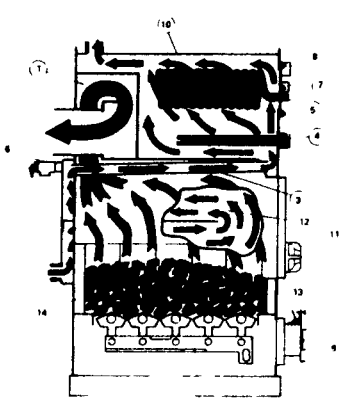

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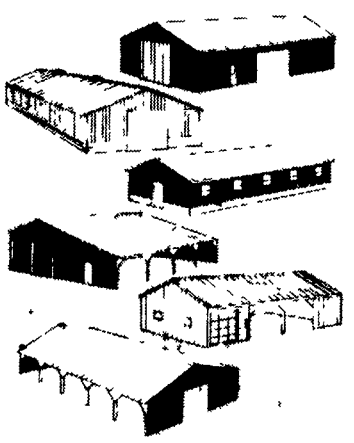

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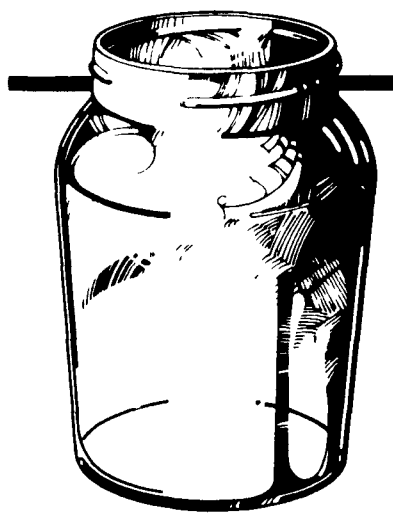

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Penn State tests new plant growth regulator

UNIVERSITY PARK — A new experimental plant growth regulator, known to scientists as PP333, is attracting the attention of both fruit researchers and growers. Tested mainly on apple trees, PP333 controls vegetative growth and improves spurring (shoot growth), green leaf color, flowering, and fruit set.

In addition to improving apple tree management, PP333 has been found effective on peach and cherry trees, flower crops, ornamental plants, vegetables, grains, and turfgrass. Indications are it will be used widely on rice.

"Developmental research with PP333 is under way across the U.S. and in England," stated Loren D. Tukey, horticulture scientist with the Agricultural Experiment Station at Penn State.

"Unlike most growth-regulating chemicals, PP333 has a long half-life, 18 months or more. Treatments applied one year bring about a marked response the second year," Tukey said.

To date the most effective method of applying PP333 on apple trees has been to pour a water solution into the crack between the soil and the tree's trunk. Absorption is primarily through the roots and wood into the xylem.

As little as 125 milligrams per tree can produce a noticeable effect—restricted growth, greener leaves, and increased shoot growth. These effects are observed always in the year after treatment, and usually last for more than one growing season.

Foliar sprays have been the next most effective method of applying but require more chemical per tree. Soil drench treatments around the tree, in the drip-line area, either have been almost as effective as foliar sprays or have had little effect. Again the response to PP333 has always been in the year after treatment.

Tukey has applied PP333 to fruit-bearing apple trees at initial concentrations ranging from 250 parts per million, put on three times a season, to 1,000 parts per million applied once.

Single concentration repeat sprays applied in second years have been lowered to 500 parts per million to maintain growth control without over-doing it.

"Since PP333 has a long half-life, some of the chemical appears to be available for moderate growth restriction the next year," Tukey commented. "Thus a repeat spray the second year is considered a 'recharge' to the system to maintain growth control," he added.

Problems with PP333 do not seem serious. Where treatments have been underway for several years, apples and other fruits have become slightly smaller and flatter with shorter, thicker stems. This could cut yields among short-stemed varieties, it was noted.

In Penn State experiments, replants have shown reduced shoot growth and increased spurring where previous trees had been treated. However, some replanted PP333 plots produced more desirable trees than the non-treated plots. There have been no "blind" areas on branches; lateral growth has been enhanced. Above all, fruiting has increased, a desirable quality for intensive plantings.

The Penn State experiments found that weak-growing trees—varieties generally having low vigor—are affected more by the same quantity of PP333 than vigorous-growing varieties. Tukey said it is more difficult to restrain growth on trees with vigorous rootstocks than on those with the more dwarfing roots. He believes this aspect could be an important factor in adequate uptake of PP333.

Much more will be heard about PP333 in the next few years, he predicted.

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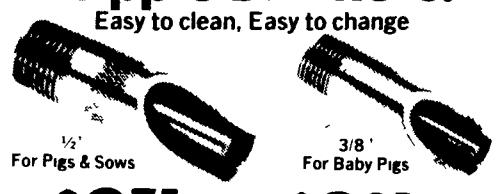

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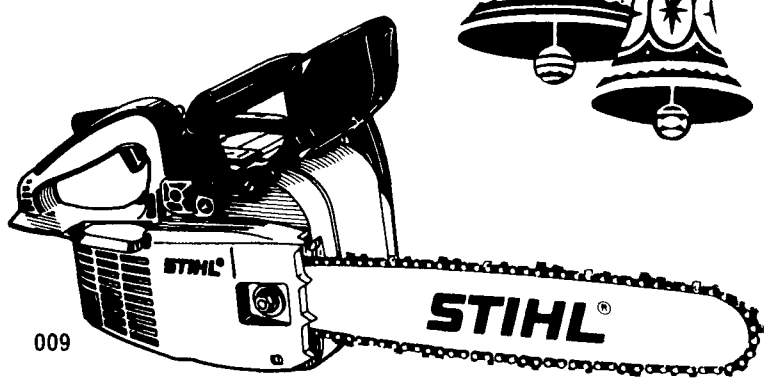

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Calculate now if forage supply is adequate

NEWARK, Del. — Dry weather over much of Delmarva last summer reduced the amount of hay and silage harvested per acre and also increased use of stored feed during the growing season. As a result, many dairy farmers don't have as much forage on hand to feed between now and next year's harvest.

"If you're short of forage, now's the time to decide how you'll manage your feed supply," says University of Delaware extension dairy specialist George Haenlein. "Don't wait until you're almost out before you act, because by then it may well cost more to adjust your program."

He says the first step in planning is to inventory the forage on hand. Then calculate how long it will last. For a milking herd, each 14,000-pound cow will need approximately:

1,050 pounds of hay per month,
or
2,000 pounds of silage (at 35% dry matter) per month,
or
1,575 pounds of haylage (at 50% dry matter),
or
Any combination of the above.

Conversion ratios are 1:2:1.5 for one pound of hay to one pound of silage to one pound of haylage. For example, 450 pounds of hay plus 1,000 pounds of silage (35% dry matter) will meet a cow's monthly forage needs.

"If your calculated forage requirement is greater than what you have in storage, you have several choices," says Haenlein. "You can (1) sell animals, (2) buy forage, (3) partially substitute grain, or (4) increase winter pasture productivity."

It is also possible to stretch available forage with such alternative feeds as wet brewers' grain, wet corn gluten, corn stalks, drought-stressed corn, alfalfa pellets and cubes, urea, liquid whey or treated straw. It is not advisable to reduce the amount of forage fed without increasing nutrients from some other source, the specialist cautions.

He suggests culling low producing cows which are not profitable after the base making period. "Sell them even if you're not short of feed," he advises. "Dairy farmers can profit by milking borderline cows during the base months (August through December) in order to establish a higher base price for the next year. But sell these cows in January to reduce feed consumption. It's more profitable to feed fewer cows well than to underfeed your entire herd."

Produces who plan to stretch forage supplies by purchasing hay probably will find it pays to buy the hay as soon as possible, Haenlein adds. When there's a forage shortage, hay prices tend to go up as spring approaches.

The decision to feed less forage and increase grain rations will depend on the relative prices of different types of feed. For example, if corn is $4 a bushel and 48% soybean meal is $280 a ton, good quality alfalfa hay is worth about $140 a ton in feed value.

Poor quality fescue hay usually isn't a good buy for dairy cows because it may contain toxic substances which depress a cow's milk producing ability.

Most county extension offices can provide tables which will help producers decide whether it will pay to buy additional hay or increase the amount of grain and other concentrates.

When hay prices are high relative to other feeds, the amount of forage can be reduced in some herds, Haenlein says. However, a minimum amount of fiber is necessary to maintain normal rumen function and milk fat levels. Cows that don't get enough fiber will show a drastic decrease in their milk fat test. This often happens when they're fed high levels of grain, even with free-choice hay.

A milking herd's diet must include at least 17 percent crude fiber or about 21 percent acid detergent fiber (ADF) in order to maintain a norman milk fat test. Cows which are underfed on energy may increase their milk yield when grain is increased and forage is reduced in their diet. But milk composition will suffer.

The fiber content of the diet can be lower for heifers than for lactating cows. If their age range is evenly distributed between birth to first calving, heifers will require about half as much forage per month as a milking herd. However, Haenlein recommends maintaining a minimum crude fiber content of about 12 percent to prevent bloat or related digestive problems. Depending on forage quality, 0.6 to 0.8 pounds of grain will provide the same feed energy as one pound of hay.

When minimum fiber levels can't be maintained, adding buffers to the diet may provide some compensation. Thirty pounds of sodium bicarbonate and/or 15 pounds of magnesium oxide per ton of grain can help maintain a normal fat test when a ration doesn't contain adequate fiber, the specialist says.

If available, fall or spring pastures of barley, wheat or rye can be made more productive by fertilizing them with nitrogen now. This will increase yields and also generally promote growth so that the grass can be used earlier. These additional grazing days can help reduce the demand for stored forage.

"Now's the time to review your forage supply," cautions Haenlein. "If last summer's drought reduced your normal stock of hay and silage, make plans for an alternative feeding program which will meet your herd's feed and other nutrient needs. Prompt action this fall can prevent drastic diet changes in late winter or early spring. Remember that large, sudden changes in a cow's ration usually reduce feed intake and milk production. The result will be less profit or bigger losses."

Economic meeting set Thursday

TERRE HILL — On Thursday, Dec. 1, at 7:30 p.m., the Eastern Lancaster County Adult Farmer Program will sponsor a meeting at the Union Grove School, with Lou Moore, Penn State University economist, who will give his 1984 Farm Economic Outlook. Also on the program will be Jesse Cooper, Extension Tax specialist, who will discuss Saving Dollars with Year-End Tax Management.

In a year plagued with drought, chicken flu, wet spring, PIK programs, etc., the outlook for agriculture may be very hazy. Lou Moore has a unique way of "clearing the air" with his predictions and explaining the events which influence the markets.

Most of us have our taxes filled out after the first of the year but the wise farm manager will do as much planning as possible toward the end of the year to take advantage of many of the tax-saving opportunities available. With several new tax law changes effective for 1983, you will want to hear what you can do to save tax dollars.

All interested persons are welcome. The Union Grove School is located near Terre Hill on Rt. 625, 2 miles north of Rt. 23. For further information contact Donald Robinson at 445-5041.

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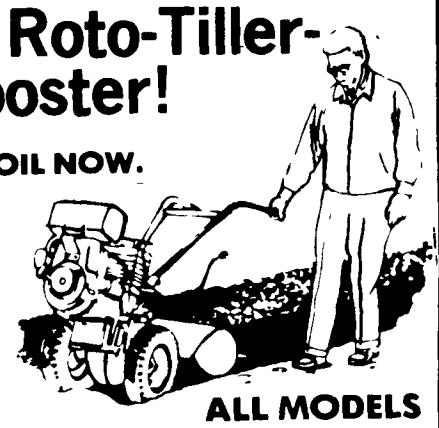
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Artificial potato helps redure damage

UNIVERSITY PARK — An artificial potato, developed at Penn State, enables growers to detect points inside a harvester or along a handling line where crop damage is most likely to occur.

This mechanical device provides information concerning the forces and pressures exterted on potatoes from three directions – top, bottom, and side. With that knowledge, predictions can be made of damage to potatoes during harvesting.

"By knowing the points where maximum pressures and forces occur on the artificial potato, a grower or manufacturer has the ability to modify the design of the equipment," says C.T. Morrow, professor of agricultural engineering at Penn State.

Morrow said additional padding can be added, the flow rates can be changed, or other alterations can be made to reduce the magnitude of damaging forces.

"From knowing the relationship between acceleration and mechanical failure," Morrow said, "it is possible to accurately predict the probability of potatoes being damaged during harvesting and handling."

The precision of the artificial potato was such that most failures for real potatoes could be estimated accurately, according to Morrow and N.D. Hallee at the University of Maine who carried out related studies. A series of laboratory drop tests using both the artificial potato and real potatoes found the mechanical potato to be an excellent predictor of damages and failures.

When tested in the field, the artificial potato again proved successful. The mechanical device passed through potato handling equipment and commercial packing facilities. Various impact surfaces and drop heights were tested to locate potential damage-producing points. Real potatoes were then passed through the equipment to verify if impact damage had occurred. The artificial potato proved quite successful in predicting and locating damage points.

"We found that a direct relationship exists between damaging loads and potato diameters," Morrow said. "The smaller the potato, the less load that can be exerted before damage."

These results indicate that it may be profitable for growers or processors to sort potatoes by size, thereby increasing the quality in a given storage.

"Damage in our research was measured as an internal crack," Morrow said. "Once this develops in a potato, deterioration normally follows with a significant reduction in overall quality."

Studies were also conducted to identify combinations of loads, and damages resulting in potato failure under slowly changing loads. The Penn Staters found potatoes behave as brittle materials in many cases. The study showed that the injury point of potatoes subjected to a stretching or tensile load is only 60 percent of damage from compression loads.

This information, combined with the study of loads causing internal cracking at the potato's center, can provide the requirements for successful load combinations. With this knowledge, it should be possible to design storage containers resulting in the most acceptable loading conditions, Dr. Morrow reported.

Depending on the potato's size, storage bins may be designed with a shape other than strictly vertical angles. Altering these angles may reduce the load on the potatoes, and minimize internal damage.

Research on this project was conducted cooperatively between Penn State and the University of Maine. Additional information may be obtained from the Department of Agricultural Engineering, 250 Agricultural Engineering Building, University Park, PA 16802. "Telemetry Device for Monitoring the Damage Potential of Harvesting and Handling Equipment," is a report written by N.D. Hallee, and "Failure Mechanics of Potato Tissue," is a thesis written by A. Shahbazi-Markid, graduate assistant.

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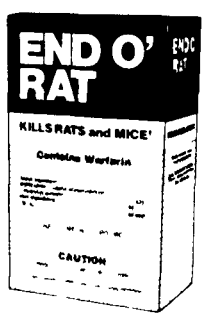

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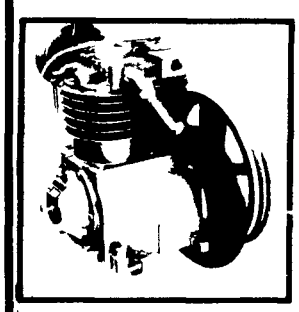

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Farm Talk

by
Jerry Webb
Delaware Extension

Can you imagine a farmer who grosses $240,000 a year, does not own or rent any land and owns virtually no equipment?

Thanks to the U.S. Department of Agriculture for sharing the fascinating story of Albert Erratchu of Los Banos, California. He's a Basque shepherd who is continuing the sheep-herding ways of his heritage, but in a totally unique way.

Typically western sheep herders graze on vast mountainous acreage too rough for cattle or hardly any other agricultural purpose. But Erratchu has a different idea. He grazes 2,400 ewes and raises about the same number of lambs on other people's land. He's a scavenger, bringing in a vast flock of sheep to graze over what's left when the harvest is finished.

It's a very simple plan when you look at it. He goes from field to field on neighbor's farms, gleaning all of the leftover crop residues. He pays a daily rate per sheep for this privilege and thus avoids all of the expenses of land ownership or rental. He has no trouble finding farmers willing to have their crops gleaned and he hardly ever has transportation problems.

Merced County, California, where Erratchu tends his flock, is a high value agricultural county. Crops like almonds, grapes, peaches, tomatoes and beans are among the two dozen or more products of its fields and orchards. Livestock enterprises include beef, pork, poultry, goats, rabbits, and dairy cattle. The land is expensive and scarce, and to herd sheep in the traditional way would be out of the question. And so, with a $40,000 Farmers Home Administration loan secured with his home in the suburbs, this enterprising shepherd went into business.

His days are spent caring for his sheep, moving from field to field. Usually he and a Basque helper just walk them from one place to the next. It's seldom more than a couple of miles from the stubble of a wheat field to the vines and cull fruit of cantaloupes and tomatoes. Whatever is in season and has just been harvested is today's lunch for the Erratchu flock. When an occasional long haul is necessary, the sheep are loaded 100 at a time into a trailer.

Of course there is the problem of fencing. He maintains 120 rolls of wire — almost five miles — that must be moved and set up with each relocation. And then there's the need for water — a daily task that involves a 1,500 gallon tank truck and smaller tanks located at the grazing site. Beyond that are the usual sheparding duties such as keeping the sheep where they belong and guarding against dogs and coyotes.

His California flock lambs in the fall, and the lambs are sold in the spring. The ewes are then shorn for wool, and the cycle continues.

It's a pretty typical sheep herding operation, except it's done among high-value crops and it involves mental dexterity and some hard work. A lot of farmers wouldn't consider hauling water for a couple of thousand sheep every day, or setting up a whole new fencing system every week or so. And yet they're willing to plunge heavily into debt to buy land and machinery, and then worry themselves gray over how to pay for it. Erratchu thinks he has a better way. Let someone else own the land. He'll concentrate his small finances on the livestock.

Erratchu's system must be working. The Farmers Home Administration says they're about ready to graduate him up to a private lender, which means he's meeting his obligations, and in fact getting ahead. At this point, the Basque shepherd says his income is modest, even though his gross is quite respectable. But there are expenses — veterinary bills, three cents a day per head for grazing rights, loan payments, his one full-time helper, and the usual family living expenses.

This Basque shepherd may not get rich grazing his flock on other farmer's leftovers. But he seems to be making a living and he is farming. He's herding sheep at his family has done for hundreds of years in the southern European highlands. There are no lush mountain meadows, no cool breezes and cloudless skies. Some of the traditions are missing, but he is tending a flock of well over 2,000 ewes and marketing a sizable lamb crop each year. His ancestors might not understand the setting, but certainly they could appreciate the end result.

There are a lot of ways to get into farming. This is just one of them.

Dauphin seeks deer antlers

HARRISBURG — Deer hunters are asked to donate unwanted antlers to the Dauphin County Conservation District. The Conservation District will use a deer antler study program established by the Pennsylvania Game Commission as part of its Environmental Education Program for Dauphin County schools.

This study program can only be implemented if a sufficient quantity of antlers can be obtained. Hunters are not asked to part with trophy racks, but an average rack nailed on some forgotten shed could be better used by allowing children the opportunity to examine nature's miracle of antler growth. If you can assist with their search for antlers, call the Conservation District at 652-7048, or drop them off at the office in the Lower Paxton Township Municipal Building, 75 S. Houcks Road, Room #305, Harrisburg, Pa. 17109.

Public Auction Register

Closing Date Monday, 5 00 P M
of each week s publication

NOVEMBER

SAT. NOV. 26 - 11 AM Public Auction of Horses. Located at Keister's Middleburg Auction Sales, Inc., Rt. 555, 3 mi. east of Middleburg, PA, 5 mi. west of Selinsgrove, PA. Don and Walt Keister, Owners. Ray Long and Dave Imes, Auctioneers.

SAT. NOV. 26 - 1 PM Public Auction of Farmette. Located between Turbotville and Washingtonville approx. 15 mi. north of Danville on the corner of Rt. 54 and Rt. 44, Anthony Twp., Montour Co., PA. Luke G. and E. Jane Burkholder, Owners. Horning Farm Agency, Inc., Auctioneers.

SAT. NOV. 26 - 1 PM Public Auction of Real Estate. Located in Lancaster Co., PA, Colerain Twp., on Highland, 1½ mi. south of Bartville, from 896, go east on Noble Rd. to Highland South, 1st farm on left. Christ S. and Priscilla P. Stoltzfus, Owners. Steve Petersheim, Auctioneer.

SAT. NOV. 26 - 9 AM Public Auction of Antiques, Tools and Quilts. Located at Denver Fire Hall, 425 Locust St., Denver, PA, Lancaster Co. Else Brunner, Owner. T. Glenn and Timothy Horst, Auctioneers.

SAT. NOV. 26 - 9 AM Public Auction of Household Furnishings, Antiques, Tools, Truck, Car, Tack, Run About, Lawn Mower and Etc. Located north of York, midway between Dover and Rossville on Rt. 74 then turn west onto Conewago Rd. 2 mi. to sale in York Co., PA. John P. Urich, Owner. Clair R. Slaybaugh, Auctioneer.

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Public Auction Register

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SAT. NOV. 26 - 10 AM Public Auction of Real Estate, Household Goods, Guns, Yard Equipment, Tools and Car. Located ½ mi. east of Matamoras, RD 2, Halifax, PA, in Dauphin Co., ½ mi. east on R-Own Dairy Rd. off Rt. 225, just 16 mi NE of Harrisburg on Rt 225. Estate of Herman Lehr. Edwin Shoop and David Deibler, Auctioneers

SAT NOV. 26 - 10 AM Public Auction of Fabric, Sewing Supplies, New Tools, Hardware and Toys. Located 6 mi. south of Quarryville, 8 mi. north of Oxford off 472 in Kirkwood at Kirkwood Fabric.

SAT. NOV. 26 - 11 A.M Auction Sale located Rt 196, Sterling, Pa. 4 miles South of traffic light Hamlin, Pa. Rt. 196, or 1 mile North of Sterling corners. Former John and Patricia Pruss farm. Sale by the Farmers Home Administration and John J. and Patricia A. Pruss, Rt. 196 Sterling, Pa. Jack Bunnell, Auctioneer.

SAT. NOV. 26 - 12 Noon Sunshine Valley Farm Dairy Dispersal Take Route 15 North from Williamsport to Cogan Station, then West on Route 973, 5 miles toward Salladasburg and turn on Dutch Hill Road. Aution arrows Sale by Norwood and Lucille Meisel; Jim Adriance, Auctioneer.

SAT. NOV. 26 - 12 Noon Special Holstein Dairy Cow Sale to be held at Smoketown Quality Dairy Sales Co., Smoketown, Pa. Rte. 340. 5 miles East of Lancaster, 5 miles West of Intercourse. Sale managed by Gordon and Helen Fritz.

SAT. NOV. 26 - 10 AM Public Auction of Cattle. Located 4 mi. north of Mexico on Rt. 104B just off Rt 3 at Confusion Corners. From Mexico exit 34 off I-81 go West on 104 to Mexico, then turn north on Rt. 3. Richard and Susie Taylor and Family, Owners. Boyd and Brian Resseguie, Auctioneers.

SAT. NOV 26 - 11 AM Public Auction of Antiques, Collectors Items, Household Goods, Car and Etc. Located 10 mi east of Hughesville, PA, 2 mi. east of Lairdsville off RT. 118, Lyc. Co. Estate of Helen M. Gordner. Fraley Auction Co

SAT NOV. 26 - 10 AM Public Auction of Commercial Real Estate, Garage and Office Equipment, Air Compressors, Parts, Tools and Antique Tools. Located at 636 Delaware Ave., Palmerton, PA. Dick Sands, Owner. Curt, Doug and Tim Houser, Auctioneers

WED NOV. 30 - 11 A.M Hillranch Holsteins Complete Reg. Herd Dispersal, Donald P. Reed, Cortland, N.Y Sale to be held at Donald Reed's Farm South of Cortland. From I-81 take Exit 11, route 13 south to Route 215 (old Rt. 90). Sale Managers: Jack Wood's Livestock and Auction Service and Bob Lathrop's Auction Service. Co-Managed by the N.Y Holstein Assoc.

WED. NOV. 30 - 10 A.M Lg. Qty. of Contractors & Shop Tools & Building Supplies to be held at the H.E. Alshouse shop & yard facility, 363 W. Glenside Ave., Glenside, Pa Vilsmeier Auction Co., Inc.

DECEMBER

FRI. DEC. 2 - Monthly Cow Sale at Mel Kolb, Inc. Lancaster Farm, 2220 Dairy Road, Lancaster, Pa.

FRI DEC. 2 - 10:30 AM Public Auction of Truck Tractors, Dump Trailers and Shop Tools Located at Leo Miller's yard and shop facility on 266 Third St. in Trenton, NJ Vilsmeier Auction Co., Inc

FRI. DEC 2 - 10 AM Public Auction of Antique English Furniture, Glassware, China and Mantel Clocks. Located at Skippack Firehouse, Rt 113, ¼ mi south of Rt. 73, Skippack, PA Oliver and Rosalie Smith, Owners. Sanford A. Alderfer, Inc, Auctioneers

SAT DEC 3 - 10 AM Public Auction of Farmette Located at 1412 E. Newport Rd., Lititz, PA, just east of the village of Rothsville on Newport Rd, Rt. 772 and west of Rt. 222 Brownstown Interchange in Warwick Twp., Lancaster Co., PA. Eleanor M. Kratz, Owner. Conestoga Auction Co., Auctioneers.

SAT DEC 3 - 9 AM Public Auction of Antiques and Collectables. Located at the Denver Fire Hall, 425 Locust St., Denver, Lanc Co, PA H.H Leid Auction Service

SAT. DEC. 3 - 12 Noon. Public Auction of Hay Equipment, Grinder and Tractors Located on Water St., off of Rt. 46, Vienna, NJ, 2 mi. west of Hackettstown, NJ 1 mi. east of Great Meadows, NJ, 18 mi east of Bangor, PA. John Anema, Owner Col Fred R. Daniel, Auctioneer

SAT DEC 3 - 11 AM Public Auction of Farm Machinery. Located just off Rt. 313 and Rt 19 at Ingleside, MD Joseph H. Apple, Owner Harry Rudnick and Sons, Inc, Auctioneers.

SAT. DEC 3 - 12 Noon Public Auction of Cattle Located at Livestock Pavilion, Cornell Campuss, Ithaca. New York Hereford Assn and New York Polled Hereford Assn. Holiday Heifer Sale.

SAT DEC. 3 - 9:30 A.M. Public Auction of Line & Const. Equip. & Vehicles to be held at the Con-Edison facility, 20th Ave & 31st St., in Astoria, N Y Vilsmeier Auction Co., Inc.

MON DEC. 5 - 5 PM 6th Annual Year End Public Auction. Large selection of hardware, tools, chain saws, lawn & garden equipment, etc. Sale by FARMERSVILLE EQUIPMENT, INC. Located in the village of Farmersville, Lanc. Co. John E. & Paul E. Martin, Auctioneers.

TUES. DEC. 6 - 5:30 PM Farmersville Auction in Farmersville, 3 mi. East of Brownstown, Lancaster County, Pa John J. Rutt, Auctioneer.

TUES. DEC. 6-9:30 A.M. and WED. DEC 7-10:00 A.M. Walebe Farms Machinery, Office Equipment, Veterinarian Supplies and Shop Equipment Sale at the farm, under cover, Collegeville, Pennsylvania. Directions. From Collegeville, Pa. go 1½ miles south on State Route 29, turn right on Hopwood Road, ¼ mile to farm Watch for sale signs Office equipment, veterinarian Supplies and shop equipment to be sold Tuesday, Farm Equipment and Tractors to be sold Wednesday. Sale managed by Melvin Kolb, Inc. 2220 Dairy Road, Lancaster, Pa. 17601, Robert Mullendore, Boonsboro, MD Auctioneer.

TUES. DEC. 6 - 10 AM Public Auction of Late Model Tractors, Trailers and Other Vehicles Located at Warner Trailer Co, Inc., Warner and Haines Sts., off of the 1700 Block of Russell St., Baltimore, MD. Atlantic Auctions, Inc

GRAIN BIN & DRYING EQUIPMENT AUCTION

THUR., DEC. 8, 1983 at 1 P.M. Sharp!

Sale for the Commodity Credit Corp. Middlesex County ASC committee. Place - at the Gaylord Farm #88 Ridge Road, RD#2, 2 miles West of Monmouth Junction, N.J. 1 mile East of Rt. 1, on Ridge Rd.

1 P.M. No Small Items!

#1 Grain Systems 9676 bu grain bin 7 ring 27 ft dia like new #2 Hutchinson big cap Grain cleaner like new #3 Hutchinson 61 ft 8" PTO portable auger like new, auger hopper #4 Shivvers in bin drying package for 27 ft bin, model 74 circulator, drying floor, floor supports, Centrifugal fan w/down wind heater Continous flow augers, sweep augers, unloading auger, grain spreader, motors and controls Ready to operate, used 1 season Attention #1 and #4 sell separately and together, sells the highest way

Inspection - Dec 1, 1983 from 1 P M to 4 P M or by appointment with C C C or ASCS 201-462-0075, 30 day removal time! Land owner, Auctioneer and C C C are not responsible for Accidents before, during and after the sale and not responsible for items sold after the sale!

Terms: Cash or Good Check w/proper I.D. Paid in full sale day! Out of State Buyers Cash, Certified Funds or current Bank Letter of Credit addressed to C.C.C., Middlesex City A.S.C. committee.

Owners
C.C.C. MIDDLESEX CTY A.S.C. COMMITTEE
64 West Main Str., Freehold N.J.
201-462-0075

Auctioneer: Col. Fred R. Daniel Auctioneers Inc.
Neshanic Sta., N.J. 201-369-4784

SIXTH ANNUAL YEAR-END PUBLIC AUCTION

(Auction To Be Held Indoors)

Hardware, Hand & Power Tools, Chain Saws, Welders, Lawn And Garden Equipment And Many Miscellaneous Items.

MONDAY, DECEMBER 5, 1983

5:00 P.M.

Located along East Farmersville Rd., Farmersville, PA (Lancaster County)

DOOR PRIZES

1st Prize	2nd Prize	3rd Prize
BUSH HOG 3 PT. LOG SPLITTER	CENTURY 295 AMP WELDER	MILWAUKEE 8¼" CIRCULAR SAW

Plus Many More!

All adults who register for an auction number between 4-6 PM on Monday, Dec. 5, 1983 are eligible to win these Door Prizes. You must be present to win. Drawing held at end of auction.

LARGE QUANTITY OF HARDWARE & TOOLS - Shovels, Rakes, Brooms, Hoes, Hammers, Socket Sets, and MUCH, MUCH MORE

15 NEW & USED CHAIN SAWS Echo & Homelite	WELDING RODS 5-50 Lb. Packs Assorted Sizes	25 NEW & USED WEED TRIMMERS Echo & Weed Eater
5 NEW LAWN MOWERS Bolens & Lawn Boy	1980 POLARIS TX440 SNOWMOBILE Like New	(1) NEW CENTURY 117-002 MIG WELDER Complete
6 NEW & USED PORTABLE SPACE HEATERS	NEW DEKA BOOSTER CABLES	5 NEW & USED CENTURY BATTERY CHARGERS
10 NEW & USED WELDERS Century & Lincoln		

All Items To Be Auctioned Can Be Seen Monday, Dec. 5, 1983 8 AM Till Sale Time

Auction By

FARMERSVILLE EQUIPMENT INC.

RD 4, EPHRATA, PA 17522
717-354-4271

- **NOTE:** Make plans NOW to attend this auction We have a lot of inventory that must be sold in addition to what is listed in this ad. Many of these items would make ideal Christmas gifts It will be worth your time.
- **ORDER OF AUCTION:**
  5 PM - Hardware & Tools
  7 PM - Welders, Chain Saws, Weed Trimmers

Food At Auction

Auction Conducted By:
John E. and Paul E Martin, Auctioneers
717-733-3511 — 717-733-3305 Ephrata, Pa
* Terms: Cash, Visa, Master Charge or Good Check

PUBLIC SALE

OF
BUILDING MATERIALS, CARPENTER TOOLS, PLUMBING SUPPLIES, HOUSEHOLD GOODS, AND FARM EQUIPMENT

SATURDAY, DEC. 10, 1983

9:00 A.M.

LOCATION: Franklin County, Pa. From Chambersburg take Rt. 997 North to Air Hill Church, turn right on to Smith Rd., turn left on to Nyesville Rd. Follow to sale. From Orrstown, take Rt. 433 South to Sporting Hill Rd. Follow to sale. Sale signs posted.

— BUILDING MATERIALS and PLUMBING — SUPPLIES — New and Used

Storm doors and windows; Colonial, Flush and Bifold doors; lock sets and hardware; large quantity of nails; metal shelvings; 3 drop-in toilets; double bowl sink; aluminum siding; lumber - mostly 2x4 and 2x6; ranch base trimming; contractor's heater; old barn hinges and planes; Home Craft jigsaw; Craftman 10" radial arm saw; plumber's propane gas furnace; drill press; saw blades; extension ladder; 3 power trowels - (2) 30" and (1) 36"; extension cords; wooden planes; 1 hp. air compressor; many misc. items including hand tools, paints, etc.

— FARM EQUIPMENT —

MF 85 gas WF tractor; Ford 9N tractor with loader; Dear Born 2 row corn planter; Case 200 baler with thrower; Smucker 24' elevator with motor; 2 hay wagons; 170 Oliver manure spreader; Bardy manure spreader; Int. flail chopper; 7 ft. disc; 12" 2 bottom plow; wood saw; 3 pt. hitch platform; 3 pt. scraper; JD side rake; 1110 Penna. lawn mower with 42' blade; 10 hole hog feeder; electric fencers; 2500 watt generator; 180 Lincoln welder; platform scales; 7' 3 pt. Ford mower; anvil.

— HOUSEHOLD GOODS —

Upright Kelvinator Freezer; 5 plank bottom chairs; large crossbuck cherry table; love seat; metal desk; 2 twin beds; 2 bureaus; writing desk; several stuffed chairs; White sewing machine; silverware and dishes.

TERMS BY:
ROBERT & EILEEN FRAZER
4182 Nyesville Rd.
Chambersburg, Pa.
ph. 352-8292

AUCTIONEERS:
Melvin Sensenig 776-5054
Lamar Sensenig 532-9160

NOT RESPONSIBLE FOR ACCIDENTS
LUNCH SERVED

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

WED. AND THURS. DEC 7 and 8 - 10 AM Public Auction of Antiques, Furniture, Glassware, China, Coverlet, Samplers and Household Goods. Located in the Al Starr Community Building, village of Willow St., PA, behind Firehall along North Rt. 272. Helen D Kauffman Estate. Howard Shaub and Roy C. Probst, Auctioneers.

ED. DEC. 7 - 10 AM Public Auction of Restaurant and Kitchen Equipment, 30x30 Tent, 3-3 Wheelers, Pickup Trailer w/Box. Located at 8809 Frankfort Ave., Phila. John Rybas, Owner. Steve Petersheim 786-4624, Auctioneer

THURS DEC. 8 - 9:30 A.M. Cranes, Const. Equip., Lowboys, & Truck Tractors to be held at Vicon Const Co 's yard & shop facility, 10 Park Place in Butler, N.J. Vilsmeier Auction Co., Inc

THURS. DEC. 8 - 10 AM Public Auction of Farm Equipment, Tractors and Trucks. Located going north on Rt. 13 from Harrington, DE to Felton, DE, go approx. 2 mi., turn left at Paul Calloway Furniture, Rt. 289, go over R.R. crossing to crossroads, turn left, 1st farm on the right, going west on Dorman St., Harrington, De, Rd. 78, go approx. 9/10 mi. or 2nd farm on left. Mrs. Denelda Moore and Mr. Robert Barrett, Owners. Dave Wilson, Auctioneer.

THURS. DEC. 8 - 7.45 PM Public Auction of Fire Truck. Located in the Alloway Township Hall, Alloway, NJ.

THURS. DEC. 8 - 9:30 AM Public Auction of Cattle Including Ayrshires Golden Harvest Dairy Cattle Sale. Backus Assoc, Auctioneers.

THURS DEC. 8 - 1 PM Public Auction of Grain Bin and Drying Equipment Located at the Gaylord Farm, #88 Ridge Rd., RD 2, 2 mi. west of Monmouth Junction, NJ, 1 mi east of Rt 1 on Ridge Rd. C.C.C Middlesex Cty A S C Committee, Owners. Col Fred R Daniel Auctioneers, Inc.

FRI. DEC. 9 - 5:30 PM Gap Auction. Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

SAT. DEC. 10 - 1 PM Public Auction of Land. Located 1½ mi northeast of Biglerville, along Guernsey Rd., off Rt. 234, Adams Co., PA. Mt. Ridge Farms, Owner. John B Niesley, Auctioneer.

SAT DEC. 10 - 10 A.M. Public Auction of over 125 Vehicles to be held at the U.S. Steel Plant on River Rd., just off Rt. 73, south of the Tacony Palmyra Bridge in Pennsauken, N.J Vilsmeier Auction Co , Inc.

SAT DEC 10 - 9 A.M. Public Auction of Vehicles, Real Estate, Racing Equip., Shop & Garage Equip. to be held at Jim's Welding Service, State St., Twp. of West Providence (Everett), Pa., County of Bedford Vilsmeier Auction Co , Inc.

SAT DEC 10 - 9 AM Public Auction of Tools, Trucks, Racing Cars, Antiques and Household Goods Located at Dutch Trailer Court, near Brownstone Vo-Tech, West Earl Twp , Lanc Co., PA. Michael E Burkholder Estate T. Glenn and Timothy G Horst, Auctioneers

SAT DEC. 10 - 1 PM Public Auction of Real Estate Located at the corner of Champ Ave. and Greenough St., Sunbury, PA Forgflo Corp., Owners Kerry Pae Auctioneers

MON. DEC. 12 - 5:30 PM Public Auction of Antique Jewelry, Watches, Guns, Coins, Postcards, Books and Records. Located in the Al Starr Community Building, village of Willow Street, PA. Helen D. Kauffman Estate. Howard Shaub and Roy C. Probst, Auctioneers.

PUBLIC AUCTION

OF FARM EQUIPMENT, TRACTORS & TRUCKS

THURSDAY, DECEMBER 8, 1983

10:00 A.M.

LOCATION:

A - Going north on Rt. 13, from Harrington, Delaware to Felton, Del., go approx. 2 miles, turn left at Paul Calloway Furniture (Rt. 289), go over R.R. crossing to crossroads, turn left, 1st. farm on the right.

B - Going west on Dorman Street, Harrington, Del. (Rd. 78), go approx. 9/10 mile or 2nd farm on left. (Signs will be posted).

1972 Ford F600 truck w/14' grain body, 1966 G.M.C. 4000 truck w/14' grain body, Massey Ferguson 750 combine (diesel) w/cab, 15' grain head (approx. 600 hrs.), Massey Ferguson 1100 diesel tractor w/2297 hrs., Oliver 1655 diesel tractor w/2022 hrs. & hydraul shift, Oliver 1550 diesel tractor w/2513 hrs. & hydra-power drive, Oliver 66 tractor, Oliver 77 tractor & loader, I.H. A tractor w/1 row , cult., 1 - 16" plow / fertilizer attach., Case 4 - 16" plows, M.F. 6 - 16" plows, M.F. 5 - 16" plows, J.D. 5 - 16" plows, 2 Case 4 row cultivators, 2 Lilliston 4 row cultivators, Ford field cultivator, Oliver #247 chisel plow, Oliver 15' disc harrow, Oliver 12' disc harrow, Oliver 4 row No-Till planter, Oliver #543 4 row corn planter, J.D. 17 spout grain drill, Oliver 3 section drag harrow, J.D. 3 p.h. spring tooth, M.F. scrape blade, Oliver 7' sickle mower, Clark 250 gal. sprayer, 3 p.h. boom, flat bed wagon, funnel body wagon, Clark saddle tank sprayer, Midwest 15' leveler, 160 gal. gas tank w/pump, seed easy seeder, Sta-Rite transfer pump, Forney welder, Victor aceteylene torsch w/cart, 2 Homelite chain saws, pickup racks, anvil, block & pulleys, chain, seeder, wheelbarrow, pipe vise, pipe dies, hyd, cylinders, walking plow, walking chain, seeder, wheelbarrow, pipe vise, pipe dies, hyd. cylinders, walking plow, walking cultivator, Oliver #40 s/p combine parts, platform scales, oil pump, milkcan, tractor umbrellas, pipe fittings, seed cleaner, water pump, trucks, tires & wheels, windows, doors, rakes, shovels, hoes, belts, axes, grease gun, chicken crates, lot of misc. lumber, scrap iron, nuts & bolts, lot of misc. electric tools, lot of misc. hand tools and many other items.

MRS. DENELDA MOORE
(Mrs. Jack Moore)
Harrington, Delaware

ALSO SELLING:

IHC 504 tractor, Oliver tractor 88, IHC tractor AV, MF 44 cornhead, New Idea mulcher, MF wagon w/body, John Bean sprayer, 2 gandy boxes, IH 12 row planter Cyclone IH 500, potato grader, washer, roller & pick up table, 2 potato scales exact weight, Haines 48" conveyor belt, Hallock double potato bagger, 2 Hallock single potato bagger, Haines potato washer, 2 Detecto potato scales, Ziggy bulk potato body w/electric 1 h.p. motor w/gear box, 2 Ziggy 14' potato body w/electric 1 h.p. motor w/gear box, 2 hand trucks.

IRRIGATION EQUIPMENT:

95 pcs. irrigation pipe 4" x 40', 95 pcs. irrigation pipe, 7" x 30', 8 pcs. irrigation pipe 5" x 30', I.H. 345 irrigation power unit w/pump, 2 7" elbows, irrigation gun, 8" suction line, 4 -5" line reducer, 9 -7" valves, 4 openers, 4 end plugs, 4 couplings pipe, 50 sprinkler, 4 elbows, discharge adapter, 7" reducer.

ROBERT BARRET, Owner
Milford, Delaware

TERMS: Cash, travelers check or approved check w/current letter of credit from your bank.

Wilson's Auction Sales, Inc.
P.O. Box 84, Rt. 113
Lincoln, Delaware 19960
Dave Wilson Auctioneer & Sales Manager
(302) 422-3454 or 856-2110

AUCTIONEER'S NOTE
This sale will consist of some fine quality Farm Machinery & Equipment
PLAN TO ATTEND THIS SALE!
Fork lift will be available for loading equipment.

LAND AUCTION

Mt. Ridge Farms (2)
Adams County, Pennsylvania

126 ACRE BEEF
Offered in 13 Parcels
Combinations and Entirety

135 ACRE GENERAL

Inspection Saturday November 19 1983 10 00 A M 4 00 P M

SATURDAY, DECEMBER 10, 1983
1:00 P.M.

1½ Miles Northeast of Biglerville
along Guernsey Road off Rt 234

FOR DETAILED BROCHURE CALL OR WRITE:

JOHN B. NIESLEY
BROKER-AUCTIONEER
32 W High Street, Carlisle PA 17013
(717) 249 8787

AUCTION SALE

LIQUIDATION OF PARTNERSHIP
BY ORDER OF MONTGOMERY COUNTY
COURT OF COMMON PLEAS
JUDGE HORACE A DAVENPORT

WELL DRILLING EQUIP.

THURS., DEC. 15, 1983 - 11 A.M.

ON PREMISES

F.L. BOLLINGER & SONS
643 SKIPPACK PIKE,
BLUE BELL, PA.

2 CHICAGO ROTARY DRILL RIGS

1 - Chicago Penumatic Model T650 Rotary Drill Rig Powered by Cat 333 Diesel Engine & Hydraulic Torque Converter Together with Air Compressor & Water Injection System Mounted on A 1970 Ford Model T950 Tandem Axle Truck, 1 Chicago Pneumatic Model T650 Rotary Drill Rig Powered by Detroit 6V71 Diesel Engine & Hydraulic Torque Converter Together With Air Compressor & Water Injection System Mounted On A 1967 IHC Model 190 Tandem Axle Truck, 1 - Smeal Model ST-SHRPPG Hydraulic Pump Hoist Mounted On A 1977 Ford F350 Mechanics Body Truck, 1 Star Cable Drilling Rig Powered By Ford 6 Cyl Gas Engine Mounted On 1968 Dodge 800 Truck.

FLATBEDS, DUMP TRUCK, BACKHOE, TRAILER

1- 1973 GMC 6000 - 23' Flatbed Truck Equipped W/750 Gal. Water Tank, 100 Gal. Diesel Tank, 1 - 1967 Ford N600 Flatbed Truck, 1 - Ford F350 Single Axle Dump/Stake Truck, 1 Tonco 9 Ton Tri-Axle Tagalong Trailer, 1- IHC Model 3514D Tractor Loader Backhoe (Diesel, 1 - 1978 ½ Ton Ford F150 w/Super Cab 302- V-8 Engine.

DRILLING EQUIPMENT & SUPPLIES

2 - Miller Arc Welders, Compressor Units, 5 - Mission Mega-Drill 5315 & 5325 w/8" Stab. And 6" to 8¾" Button Hammer Bit, 3 - Rotary 10" - 15" Stabilizers & Drill Bits, 6 Subs 4½" to 7 5/8", 20" Reamer, 43 Round Hammer & Star Drill Bits 6" - 14", 25 lgths. Rotary Drilling Pipe 20' & 25'. 30 Lgths. Turbine Pump Pipe, 14 Lgths. Cable Drill Pipe 4" & 5" Dia. x 18'-20', 1-3" Model 30-A-B23 Hale Pump, 1-2;; Model 127EP68 Hydro-matic Ditch Pump, 15 Lgths. Alum. Irrigation Pipe, 25 H.P. Amarillo Gas Driver Pump Drive.

MISC. TOOLS, MACHINERY & SUPPLIES

1 - Southbend #C181856 Lathe w/6' Bed & Access., 1 - Dyna-mite Model 110 Steam Cleaner, L & A Model 802 Pressure Washer, 2 H.P. Air Compressor, Ford 6 cyl. Engine, Pumping Units, Beveling Machines, Suction Hose, Wire Cable Propane Tanks, Hoists, Valves, Torches, Lincoln Welder, Rockwell Delta Drill Press, Grinders, Elec. Drills, Tap & Die Sets, Battery Charger, Anvil, Buffer & Polisher, C & Bar Clamps, Bolt Cutters, Hand Tools, Test Pumps, Jacks, Pipe Vises, Lombard Gas Chain Saw, Cement Mixer, Cable Wrenches, Cable Jar Bumpers, Side Spear, Rig Bits, Fuel Tanks, Wing Guides, Drilling Jars, Rope Sockets, Gages, Binders, Etc.

INSPECTION WED , DEC 14 9 A M to 3 P M
TERMS CASH OR CERTIFIED CHECK - 25% DEPOSIT REQ

Wm. F. COMLY & SON INC
Auctioneers
1825 E. BOSTON AVE., PHILA., PA. (215) 634-2500

PUBLIC SALE

OF MACHINE SHOP EQUIP. - OFFICE EQUIP. & MISC.

MONDAY, DECEMBER 12, 1983

9:30 A.M.

A.C.C.O. Babcock Inc., 454 East Princess St., York, Pa.

2 - Bridgeport Milling machines, vertical (1 has Tracer attachment), Clausing End Mill, Doall 12" Band Saw, Brown & Sharp Tool Grinder, 2 Spindle Disk Grinder, Surface Grinder, 2 South Bend Lathes - 6" swing 36" bed, Miller Spot Welder, Sheet Metal Roll, drill presses, 14" Band Saw, 6" Electric Pipe Threader, Lodge & Shipley Lathe 10" swing 6 ft. bed, South Bend Lathe 14½x4 ft., Shaper, Turret lathe, Honing machine, stand grinders, electric furnace, belt sander, electric drills, Clarke Scrafer, Lay-out table, Gas Fired furnace, Printing Press, portable welder, portable washers, Trip Hammer, But Welder, anvil, metal rack, shop carts & trucks, Lug cutter 3/8 capacity, pump press, Sludge pump, dry tumbler, work benches, sheet metal seamer, Steam Jenny, Tenent sweeper, hydraulic cutter, chain tester w/load cell, Shot Blast Tumbler, file cabinets, office desk wood & metal, lockers, shelving, floor fans, motors & 100's of items not mentioned.

*** All Items Must Be Moved By Dec. 20 - 2:00 P.M. *

TERMS: Cash or Good Check.
Full Settlement Sale Day.

Auctioneer: Blaine N. Rentzel
Emigsville, Pa.
717-764-6412

AUCTION

ANTIQUE ENGLISH FURNITURE GLASSWARE, CHINA & MANTEL CLOCKS

For: Oliver & Rosalie Smith At: Skippack Firehouse, Rt. 113 (¼ mi. So. of Rt. 73) Skippack, PA.

FRIDAY, DECEMBER 2, 1983

10:00 A.M.

Furniture to be sold at 11:00 A.M.

FURNITURE

Rolltop Desk, four 3 pc. Bedroom Suites (one in walnut), two Victorian Bureaus and Sideboard; Oak 3-door Bookcase, 2 door 4 lite cabinet, chest of drawers, dropleaf tables, 2 hall stands, dresser, firescreen, log box, low round stand w/elephant ear carving on knee, sm. table, book shelves; Dining Room Table, 4 chairs, 2 sideboards (1 w/rope turned legs); 2-drawer slantfront Secretary Chest, Parlour Pump Organ, gate leg table, lg. oak display cabinet & office bookcase, cabinet & chair; oak cupboard, hall corner cupboard, commode, oak sewing stand, half-moon table, mirrors, washstand, kneehole desk, pine kitchen display cabinet, hall robe, wd. comb box, 2 pc. mahogany suite, bamboo table, walnut 3-glass door cabinet, music cabinet, round table stand w/fringed top & cross stretcher base, 4 Bentwood chairs & other chairs; medicine cabinet, shaving mirror, lady's dressing mirror, mule box, many pictures, drop leaf trolley.

MISC. ITEMS

Prints include water color; barometer w/mirror, mantel clocks (one w/Westminster chimes), scales w/weights, copper screen, brass bell & trivet; jugs (some decorated), wooden butter pats, spoons & breadboard; pottery bowls, candlesticks & stand; cast iron pans, tapestry, Underwood typewriter, plaster figurines, fireplace fender, wall towel & coat racks, pine creel, metal ornaments, brass candlesticks, boat, stand & pans; meat plates.

GLASSWARE

Jug & bowl set, assorted bowls, cake stands, Wiskey Tots, milk & water jugs, vases, sugars & creamers, celery, vinegar flask, butter & jam dishes, flower holders.

Note - Many items not mentioned, join us for many surprises!

TERMS - CASH

LUNCH

SANFORD A. ALDERFER, INC.
Real Estate Brokers And Auctioneers
Box 1, Harleysville, PA
723-1171

Sanford A. Alderfer, Inc.
REAL ESTATE BROKERS and AUCTIONEERS
665 Harleysville Pike (Rt 113)
Box 1 Harleysville PA 19438
215-723-1171 or 256-8892

PUBLIC AUCTION AT GOODS AUCTION

111 N. Maple Ave.
Leola, Pa. 17540

Hay - Straw - Corn

Every Wed. at 12:00 Noon

No Out of State Checks

Good's Auction

PUBLIC NOTICE OF SALE OF 1963 GMC HAHN 750 GPM PUMPER FIRE TRUCK

PLEASE TAKE NOTICE that the Township of Alloway in Salem County, New Jersey, will offer for public sale to the highest bidder, a used 1963 GMC Hahn 750 GPM Pumper Fire Truck. Sealed bids for same will be opened on December 8, 1983, at 7:45 P.M. in the Alloway Township Hall, Alloway, New Jersey.

The terms and conditions of sale of said property shall be as follows: the fire truck as described herein is being sold strictly "as is" and the Township of Alloway makes no warranties with regard to the mechanical condition of said vehicle. Each bid shall be submitted in a sealed envelope containing the name and address of the bidder, the amount of the bid and the certified check payable to the Township of Alloway in the amount of 10% of the total bid, as a deposit. The bid envelope shall bear the notation "Bid for 1963 GMC Fire Truck" and shall be delivered to the Township Clerk on or before the date and time of said sale. The minimum bid that will be considered is $3500.00, however, the Township reserves the right to reject any and all bids. The terms of payment are as follows: The successful bidder shall deposit 10% of the purchase price of said fire truck - by certified check - which deposit shall be enclosed with original bid; balance of said purchase price shall be paid by cash or certified check on or before 10 days from the date of acceptance of said bid by the Township of Alloway. Upon payment of the full purchase price and conformance and compliance with the conditions of sale, the proper officers of the Township of Alloway will execute and deliver to the successful bidder, title to said fire truck, free and clear of all encumbrances. Said fire truck is available for public inspection at the Woodstown Brick Company, route 540, Alloway, New Jersey, by appointment to be made by telephoning Gary Remster, at (609) 935-0088.

BY ORDER OF
THE TOWNSHIP COMMITTEE
OF ALLOWAY TOWNSHIP
WILLIAM C. HASKETT,
TOWNSHIP CLERK

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

TUES. DEC 13 - 10 30 A.M Const, Equip , Horiz Boring Machine, Trucks, Trailers, & Much More to be held at Despatch Properties Indus. Pk at 160 Despatch Dr in East Rochester, N.Y Vilsmeier Auction Co , Inc

WED DEC 14 - 11 AM Public Auction of a Real Estate, Power Shop Equipment, Hand and Garden Tools and Household Goods Located at 822 E Chestnut St , Lancaster, PA Helen D Kauffman Estate Howard Shaub and Roy C Probst, Auctioneers

THURS DEC 15 - 10 A.M Const Equip., Trucks & Trailers to be held at Flanders Valley Airport on Ironia Rd. in Flanders, N.J Vilsmeier Auction Co , Inc

THURS DEC. 15 - 11 AM Public Auction of Well Drilling Equipment Located at F.L. Bollinger and Sons, 643 Skippack Pike, Blue Bell, PA Wm F Comly and Son, Inc., Auctioneers.

SAT DEC. 17 - 12:30 PM Public Auction of New and Good Used Lawn and Garden Tractors, Mowers and Tools. Located Rt 322 east of Ephrata, turn left at Hinkletown traffic light, turn left onto Gristmill Rd at Martindale to business on right Lawn Care of PA, Daniel Z Martin and Son, Owners Randal Kline, Lloyd Kreider and Roy Good, Jr , Auctioneers

SAT DEC 17 - 1 P.M Land Auction John B Landis Farm, Cumberland County, Penna. located ¼ mile east of Bloserville. Turn off Rt. 641 between Carlisle and Newville, on to Bloserville Road, 3 miles to Bloserville, turn right onto Baughman Road, ¼ mile to farm. Look for signs. John B Niesley, Broker, Auctioneer.

SAT. DEC. 17 - 9 A.M Vehicles, Ladder Trucks, & Office Equip & Furniture to be held at the Middletown Grange Fairgrounds, just off Rt 413 on Penns Park Rd in Wrightstown, Pa Vilsmeier Auction Co , Inc

SAT DEC. 17 - 10 AM Public Auction of 39 Acre Farm, Personal Property, Antiques, Oak Furniture, and Tools Located from Myerstown, follow Rt 501 North to village of Mt. Aetna, turn left on Market St. to Greble Rd., 1 mi. to sale. Beulah E. Troutman Estate. Dave Risser, Auctioneer

JANUARY

FRI. JAN. 20 - 9:30 AM Public Auction of 5 Head Horses, 40 Head Holsteins and a Good Line Farm Machinery. Located in Centre Co., 4 mi. east of Aaronsburg, PA on Rt. 45, turn south on Fiedler Rd. Mr. and Mrs. Jacob Hershberger, Owners. Mark Glick, Auctioneer

FRI. JAN. 27 - 1:30 P.M. Dairy Cattle Sale at Penns Valley Livestock Auction, Centre Hall, Pa. (at the intersection of Rt. 45 and 144) Ron Gilligan, Auctioneer.

FEBRUARY

SAT. FEB. 11 - 9:30 AM Public Auction of Horse Drawn Farm Machinery, Horses and Harness. Located 1 mi. north of Strasburg on Herr Rd. David King, Owner Steve Petersheim, Auctioneer.

HATFIELD GALLERY AUCTION

Fairground Road
Hatfield, PA

Every Tues. and Thurs.
6 PM
215-368-6646

FEATURING FIRST AND THIRD MONDAY EACH MONTH

GRADED FEEDER PIG SALE

1:30 p.m. Sharp!

Telephone 302-734-2016 or 284-4541
Tele-O-Auction - 302-284-4912
* Tele-O-Auction - Bid over the telephone.
* Easy to reach - Rt. 13, on South Bound Lane, approximately 10 miles South of Dover, Delaware.
* Quick Service - Load & Unload.
* No Dealer pigs
* Pigs received after 7 a.m. until 11 a.m.
* Consignors - Paid day of sale.
* Veterinarian inspection on premises - Dr. Towers.
* State Graded.
* Pseudorabies Free State.

Auctioneers-Harry Barrett - Chester Lee Carroll

AUCTIONS OF ALL TYPES

Beulah E. Troutman Estate

PUBLIC SALE

39 ACRE FARM, PERSONAL PROPERTY, ANTIQUES, OAK FURNITURE, TOOLS
SAT. DECEMBER 17, 1983
10:00 A.M.
Furniture to be sold at 10:00 A.M.
Real Estate 12:00 Noon

Directions: From Myerstown, PA follow Rt. 501 north to Village of Mt. Aetna. Turn left on Market St. to Greble Road. Bear to right onto Greble Road. One mile to sale. Watch for sale signs.

Real estate consists of 39 acre farm, more or less, with 30 acres tillable. Erected thereon is a 2½ story log frame home w/siding. Home has kitchen plus 3 rooms and full bath on first floor. Second floor has 4 bedrooms and storage room. Large attic.

Bank barn has 4 mows, 2 w/doors. Combination chicken house and shed w/corn crib. Other buildings included are a pig stable, summer house, and a butcher house.

For appointment to see this property call Messiah Troutman at 717-933-4231, or Dave Risser at 717-866-6873 or 866-2117.

Conditions by,
MESSIAH TROUTMAN
CLARENCE E. TROUTMAN
Executors
Steiner & Sandoe, Attorneys
Dave Risser, Auct.
211 E. Main Ave.
Myerstown, PA
717-866-6873

Not Responsible for Accidents
Refreshments Available
Full Ad Will Appear Dec. 10.

IMPORTANT PUBLIC AUCTION

OF
VALUABLE ANTIQUES AND COLLECTABLES
SATURDAY, DEC. 3, 1983
AT 9:00 A.M.
At the Denver Fire Hall, 425 Locust St., Denver, Lanc. Co., Pa.
The following to be offered:

MISCELLANEOUS

Empire Sofa, newly upholstered; Youth Bed; Martha Washington Sewing Cabinet; Child's Rockers; Doll Cribs; Old Slat Sled; Tricycles; Wagons; Oak Arm Chair; Writing Desk; Child's Geneva Reversible Stroller; Advertising Boxes; Metal Keystone Ride Um Steam Shovel; Old Magazine Rack; Baskets; Sewing Boxes; various Clocks; Blue Agate Coffee Pot and Kettle; Other Agate Ware; Scales; Sad Irons; Iron Mush Kettles; Large Copper Boilers; Washboiler; Teakettles; Cast Iron Teakettles; Early Cast Iron Coal Skuttle; Very Early Peacock Fireplace Andirons; Counter Scales for Store; New Briton Coffee Mill; 2 Wheel Coffee Grinder, nice condition; Old Auto Horn; Pewter Coffee Pot; signed Leonard, Reed & Barton; Tin Round Graters; Lunch Kettles; Cookie Cutters; Lanterns; Tin Toys; Metal Trucks; Matchbox Toys; Old Piggy Banks; Brass Candleholders; Oil Lights Bases and Lamps; Ornate Hand Carved Teakwood Foo Dogs; Signed Marwel Figurine and Pedestal; Cherry Boy and Girl; 2 Oriental Silk Paintings; Silver Coffee Service.

POTTERY: Various Stahl items in Flower Pots, Honey Pots, Pitcher, John Bell Redware and Stoneware; Sponge Ware Cookie Jars; Bowls; Pitcher; Blue Stone Salts Crocks; Spotted Glaze Turkshead; Crocks; Cowden; Wilcox Blue Decorated Crocks and Jugs; Bennington and Brown Glaze Pitchers and Crocks; Bowls; Redware Pie Plates; Roseville Items.

CHINA AND GLASSWARE

Dark Carnival Diamond Lace Water Set; 6 Dark Carnival Peacock at Fountain Tumblers; Star of David Dish; Marigold Grapevine and Wind Mill; A.B.C. Plate with Stork; 4 Grape & Cable Signed N Cups; Carnival Cuspidor; Orange Tree Bowl; Amber Rose Bowl; Vaseline Glass; Bohemian Wine Set; Set of Wine Glasses; Sandwich Glass Mugs with Lily Pad Feet; Sugar; Victorian Wine Set; Pr. Satin Pitcher Vases; De Valbliss Perfume Atomizer; Large Moon and Star Footed Dish; Depression Glass; Heisey Glass; Lead Crystal Glass; Ruby Glass; Staffordshire Dog; Early Adams Plates; Thistle Plates; Green Ironstone Wheat; Leeds; Clews Blue Plate; Red and Blue Adams Palestine Pattern; Red Andulusia; Washington Vase China; Nippon "Willow Grove" Inkwell; Occupied Japan items; Vases; Toby Pitchers; Holland Bowls; Selesia Bowls; China Bells; Glass Baskets; Flo Blue; Leed's Type Egg Cups; Musical German Steins; Child's Tea Set; Dolls, New & Old; Cupie Dolls; Baby's Plate; Capidemonte Covered Dish; Aunt Jemima.

BOOKS AND LINENS: Children's Books; few German Books; Sears Catalogue; Old Violin; Beaded Purses; Sterling Silver; Old Pictures and Frames, Red White Coverlet; White Bed Spread; several Quilts; Old Clothing; Post Card Albums and Valentines.

Auct. Note: Opportunity to buy some very nice pieces. Plan to attend this all day event.

Auction by
H. H. LEID AUCTION SERVICE
267-5117 AGENT FOR OWNERS

Sensenig & Fry, Clerks
Lunch Fire Co. Auxiliary

FARM MACHINERY AUCTION

Late Model Hay Equip., Grinder, 3 Tractors!
SAT. DEC. 3, 1983
At 12 Noon Sharp!

For John Anema located on Water Street, off of Rt. 46, Vienna, N.J. 2 miles West of Hackettstown, N.J. 1 mile East of Great Meadows, N.J. 18 Miles East of Bangor, Pa. Arrows from Rt. 46.

12 Noon Sharp!
No Small Items!

3 Tractors - IHC 1066 DL Black Stripe W.F., IHC 1206 DL W.F., Ford 7000 DL W.F., Ford hyd front end loader. **John Deere Equip.** - 336 hay baler w/hyd kicker 2 yrs. old, 1209 haybine 9ft. 2 yrs old, 210 15ft. hyd. tandem Disc 3 yrs old, 10ft. 3 PTH chisel plow, 1240 4 row corn planter. **Other Makes** - Gehl 120 portable grinder mixer only used 1 season, Oliver 546 5 btm 16" semi mtd auto reset plow, Fox 3300 forage chopper w/727 2 row corn hd, Fox 7ft. haylage hd., IHC 93 self propelled combine 10ft. grain and 2 row corn hds., N.I. 310 1 row corn picker, A.C. 15 ft. hyd rolla harrow, Meyers 1800 tandem chuck wagon, 3-18ft. kicker hay wagons 2 are on 8 ton gear, 3 PTH wheel hay rake, 1960 GMC 16ft. flat bed truck w/5000 mi. on the eng., 12x60 house trailer good for storage. Some items are only 2 or 3 years old. Plan to attend this Auction. Be on time! No Lunch Counter. Not responsible for accidents! Blizzard date Mon. Dec. 5, 12 Noon.

Terms - Cash or Good Check w/proper I.D. Full Payment Sale Day! Out of State Buyers Certified Funds or current Bank Letter of Credit addressed to Col. Fred R. Daniel.

Owner
JOHN ANEMA
201-637-4963

Sale By:
Col. Fred R. Daniel Auctioneers INC.
Neshanic Sta., N.J.
201-369-4784

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

THURS. FEB. 16 - Public Auction of Farm Equipment, Household Goods and Livestock. Located 2 mi. northwest of New Holland, turn off of Rt. 23 on N. Shirk Rd. at Goods Furniture, 1st road left on Amishtown Rd., Lanc. Co., PA. Emanuel S. Lapp, Owner. Robert E Martin and Son 656-7770, and Frank L. Steller, Auctioneers.

FRI. FEB. 17 - Public Auction of Farm Equipment, Household Goods and Livestock. Located along Rt. 30, between Kinzers and Gap, Lanc. Co., PA Amos Yoder, Owner Robert E. Martin and Son, 656-7770 and Frank L. Steller, Auctioneers.

SAT. FEB. 18 - 9:30 AM Public Auction of Draft Horse, Mules, Drivers and Meat Horses. Located at the Belleville Livestock Market. Mark Glick, Auctioneer.

FRI. FEB. 24 - 9 AM Public Auction of Antique Tractors and Engines, New, Used and Abused Farm Equipment, New Tools and Fruit. Located 10 mi. east of Lancaster, 2½ mi. west of New Holland, turn off Rt. 23 on S. Groffdale Rd., turn left on Musser School Rd., Lanc. Co., PA Elias S. Beiler, Owner. Robert E. Martin and Son 656-7770, Frank L Steller and Blaine Rentzel, Auctioneers.

SAT. FEB. 25 - CONSIGNMENT SALE Const. Equip., Trucks, Trailers & Contractors Equip. to be held at the property adjacent to the Ramada Inn off Rt. 95 in Essington, Pa., just south of the Philadelphia Int'l. Airport. Vilsmeier Auction Co., Inc.

WED. FEB. 29 - 9:30 AM Public Auction of Horse Drawn Farm Machinery, 22 Head Holstein Heifers from Stoltzfus Herd, 6 Work Horses. Located 1 mi north of Gap. Stephen U. Stoltzfus, Owner Steve Petersheim, Auctioneer

MARCH

FRI. MARCH 2 - 9 AM Public Auction of Farm Machinery. Located at the Belleville Livestock Market.

FRI. APR. 27 - 6 PM Public Auction of 250-300 Head Heifers, all sizes, Springing, Bred and Open Heifers, some registered. Located at the Belleville Livestock Market.

SAT. MARCH 3 - 20th Annual Bart Twp. Fire Co Located in Georgetown, on Rt. 896, 7 mi. south of Strasburg. Larry LeFever, Auctioneers.

TUES MARCH 13 - 9 AM Public Auction of Farm Machinery, Farmall Tractors, 20 Head of Heifers and Antiques. Located 2 mi. east of Intercourse on 340. John L. Zook, Owner. Steve Petersheim, Auctioneer

SAT. MARCH 17 - 9:30 AM Public Auction of Farm Equipment, Household Goods and Antiques. Located between East Petersburg and Manheim, turn off of Rt. 72 on West Auction Rd., 1st crossroad left. Titus M., Mary H., Eugene N. and Donna J Nolt, Owners Robert E. and Jeffrey R Martin 656-7770, Auctioneers

FRI. MARCH 23 - 7 PM and SAT. MARCH 24 - 9:30 AM Public Auction of Farm Toys. Located at Historic Strasburg Inn Second Annual Lancaster Farm Toy Auction, Sale and Show.

SAT. MAR. 31 - 9 A.M. CONSIGNMENT SALE Const. Equip., Trucks, Trailers & Contrs. Equip. to be held at Wall Stadium property, located on Rt. 34 in Wall Township (Belmar/Manasquan area), N.J. Vilsmeier Auction Co., Inc

APRIL

SAT. APR. 21, 1984 - 18th Colonial Charolais Spring Sale. Located at Frederick Fairgrounds, Frederick, MD. Colonial Charolais Association Sponsors. Garey Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA, Managers.

PUBLIC AUCTION

Having decided to discontinue farming, I will sell on my farm located just off Route 313 & Route 19 at Ingleside, Md.

SATURDAY, DECEMBER 3, 1983

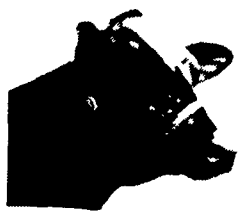
At 11:00 A.M.

FARM MACHINERY

JOHN DEERE 4020 diesel tractor, Allis Chalmers T190 diesel tractor, JD 70 tractor, JOHN DEERE 6600 gas COMBINE a/c cab-straw chopper-15' floating head - 444 corn head, 1970 Chev. C60 10 wheel grain truck, JD 5x16 plows, JD 16' cultipacker, JD #110 14' disc, JD 12' field cultivator, JD mounted rotary hoe, JD front 4R cultivators, 2 JD grain wagons, Ferg. 10' chisel plow, Brillion 6' plow packer, A.C. no-till planter w/insecticide boxes, Int. 510 grain drill (like new), John Blue 500 gal. sprayer, Pr. 18.4x34 dual wheels, Tyler tandem fert. spreader, self-unloading wagon, 3 Int. plow packers, Platform scale, dump truck chasis, clipper grain cleaner, Ford pulley, Hyd. cylinders, ditch pump, wire & fence posts, parts & misc., etc...

JOSEPH H. APPLE
Owner
Box 21,
Ingleside, Md.
Harry Rudnick & Sons, Inc.
Sales Managers & Auctioneers
Galena, Md. 21635 (301) 648-5601
LUNCH, Come Early

SHORT NOTICE PUBLIC SALE



for Kenneth Wolfskill
COMPLETE MILKING & BRED HEIFER DISPERSAL

FRIDAY, DECEMBER 9, 1983

at 7:30 P.M.

To be held at Smoketown Quality Dairy Sales Co. Smoketown PA. Rte 340. 5 mile East of Lancaster. 5 mile West of Intercourse.

36 REGISTERED & GRADE COWS & HEIFERS

27 Milking, 9 Heifers, 2 are Bred and 7 are Open Rolling herd average 19,860m, 729f, D.H.I.R. testing 15 cows over 20,000, 5 V.G.

Sires Represented: Valient, Elevation, Jerry, Rocket, Molly Chief. These cows are bred by the A.I. bulls. Won 1982 Award for low bacteria count on Somatic cell count 21,000, mostly all vaccinated, T.B. and Blood tested within 30 days.

Watch for more details next issue.
Catalogs at ringside.

Sale Managed by
SMOKETOWN QUALITY DAIRY SALES CO., INC.
GORDON & HELEN FRITZ
717-393-0930

GO THE AUCTION WAY

Get The Most Money For Your Clean Furniture - One Piece Or The Entire Household

Pickup Service Available

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Josef E. Rosenblatt, Esq.
Rosenblatt and Breitbart
5 Light Street
Baltimore, Maryland 21202

Gary R. Greenblatt, Esq.
Schwarz and Greenblatt
100 S. Charles Street
Baltimore, Maryland 21201

TRUSTEES' SALE IN BANKRUPTCY

LATE MODEL TRACTORS, TRAILERS & OTHER VEHICLES

Sale To Be Held At Warner Fruehauf Trailer Company, Inc., Used Trailer Facility (Where vehicles have been moved for convenience of sale) Warner and Haines Streets, off of the 1700 block of Russell Street, Baltimore, Maryland 21230.

TUESDAY, DECEMBER 6, 1983

Starts Promptly at 10:00 O'Clock A.M.
Registration at 9:00 O'Clock A.M.

The undersigned Trustees will offer the following assets at public auction and have sent notices to the creditors in the matters before The United States Bankruptcy Court for The District of Maryland involved with case number 82-2-1334 for Todd Transport Company, Inc. and case number 82-2-1333 for Woodside Leasing Company, Inc.:

Tractors:
(9) 78 GMC Astro 95 C.O.E. Sleeper Cabs, 8V92 Detroit Diesel Engines, 10 Speed Fuller Transmissions, Tandem Axle, 38,000 lb. rears.

Trailers:
(18) 78 Budd 42' Tandem Axle, Dry Vans, Roll Up Rear Doors.
(4) 70 Fruehauf 40' Tandem Axle, Dry Vans, Roll Up Rear Doors.
(10) 69 Fruehauf 40' Tandem Axle, Dry Vans, Roll Up Rear Doors.
(1) 68 Fruehauf 40' Tandem Axle, Dry Vans, Roll Up Rear Doors.

Automobile:
(1) 81 Cadillac Coupe Deville Serial #1G6AD4796B9111416.

Pick Ups:
(1) 80 GMC Serial #TCG44A8512486.
(1) 72 GMC Serial #TCS142B510059.

Above list is subject to additions and deletions. Contact auctioneer for details or to arrange inspection.

Terms of Sale: Cash or certified funds or company check with proper letter of credit. Units sold "As Is, Where Is" with no warranties express or implied. Immediate removal.

GARY R. GREENBLATT,
Trustee In Bankruptcy
for Todd Transport Company, Inc.
JOSEF E. ROSENBLATT,
Trustee In Bankruptcy
for Woodside Leasing, Inc.
Atlantic Auctions, Inc.
701 North Paca Street
Baltimore, Maryland 21201
(301) 523-5100

NOTE: Clip This Ad, It Will Not Be Repeated

REAL ESTATE AUCTION

54,000 Sq. Ft. Commercial Builidng Plus a 150'x220' Additional Lot

SATURDAY, DECEMBER 10, 1983

At 1:00 P.M.

Corner of Champ Avenue & Greenough Street, Sunbury, Pa.

* Valuable 54,183 Sq. Ft. Bldg.
* Warehouse, Dist. Center, Storage, Many Uses
* Three Loading Docks, Sprinkler System
* Offices and Freight Elevator
* Additional 150'x220' Adjacent Lot for Parking or Residential Development

Building and Lot to be Offered Separately, then as a Unit.

TERMS: $7,500.00 Deposit on Bldg., $2,500.00 Deposit on Lot Required by Cash, Cashier or Certified Check Payable to Kerry Pae Auctioneers, at Time of Auction. Balance Due in 60 Days at Settlement.

Owners Anxious to Sell this Corporate Surplus Property. If you're Looking for This Type of Investment Call or Write Today for Brochure.

FORGFLO CORPORATION
Sellers

KERRY PAE AUCTIONEERS
327 N Front St
Harrisburg, PA 17101
(717) 236-3752

SECURED CREDITORS' SALE

Of Units Formerly Owned And Used By Todd Transport Company, Inc. And Woodside Leasing, inc.

LATE MODEL TRACTORS & TRAILERS

Sale To Be Held At Warner Fruehauf Trailer Company, Inc. Used Trailer Facility (Where vehicles have been moved for convenience of sale) Warner and Haines Streets Off of the 1700 Block of Russell Street, Baltimore, Maryland 21230

TUESDAY, DECEMBER 6, 1983

Starts Promptly at 10:00 O'Clock A.M.
Registration at 9:00 O'Clock A.M.

Pursuant to a security agreement between the parties, default having occurred, the creditors will offer for public auction the following:

TRACTORS

(2) 81 Peterbilts 359 with Sleeper Box, 8V92 Detroit Diesel Engines, 15 Speed Fuller Transmission, Tandem Axle, 38,000 lb. rears; (2) 79 KW K100 C.O.E. Sleeper Cabs 8V92 Detroit Diesel Engines, 1 - 13 Speed and 1 - 15 Speed Fuller Transmission, Tandem Axle, 38,000 lb. rears.

TRAILERS

(1) 81 Fruehauf 42' Dry Van, Tandem Axle; (11) 80 Fruehauf 42' Dry Vans, Tandem Axle, Roll Up Rear Doors; (5) 80 Fruehauf 42' Reefer, Tandem Axle, Barn Doors; (1) 79 Fruehauf Low Boy, Single Axle; (5) 79 Fruehauf 42' Reefers, Tandem Axle, Barn Doors; (4) 79 Fruehauf 45' Dry Vans, Tandem Axle, Barn Doors; (3) 78 Fruehauf 42' Reefers, Tandem Axle, Barn Doors; (2) 77 Fruehauf 45' Dry Vans, Tandem Axle, Barn Doors; (1) 76 Fruehauf 45' Dry Van, Tandem Axle, Barn Doors; (3) 74 Fruehauf 45' Dry Vans, Tandem Axle, Barn Doors.

Above list subject to additions and deletions. Contact auctioneer for details or to arrange inspection.

Terms of Sale: Cash or certified funds or company check with proper letter of credit. Units sold "As Is, Where Is" with no warranties express or impled. Immediate removal.

Authorized By:
VARIOUS SECURED CREDITORS

NOTE: Clip This Ad, It Will Not Be Repeated

Atlantic Auctions, Inc.
701 North Paca Street
Baltimore, Maryland 21201
(301) 523-5100

CHRISTMAS SALE

Melvin Kolb Inc.

FRIDAY, DECEMBER 2, 1983

Daytime sale starting at 11:00 A.M.

LOCATION: West of Lancaster on Dairy Road. Take Rt. 283 west of Lancaster, exit beyond ABC Stud Barns at Flory Mill Rd., turn left after exiting, go to Mill, then sharp right under railroad bridge. Barn is within sight of Rt. 283.

200 HEAD OF FANCY HOLSTEINS

1 trailer load from Wisconsin; 1 trailer load from Maine; 1 trailer load from New York; 1 trailer load from New Hampshire; 1 trailer load from western & upstate Pennsylvania; and 1 trailer load from Vermont.

There will be 75 Purebreds of the finest quality, some classified with records, selected from the most outstanding herds we could find. Some of these cows are milking up to 100 lbs. per day. There will be 100 head of big fancy Grade cows, just fresh, milking 80 to 90 lbs. Also, there will be 25 fancy Grade springers and 25 big fresh Purebred first calf heifers.

SPECIAL MENTIONS

A fancy 3 yr. old STRAIGHT-PINE ELEVATION PETE dau., bred 3/28/83 to COZ-VEL ENCHANTMENT, as 2-1 est. 305d 2x 14217M 3.7 520F, index 1027M 27F $116, from GP-83 3 yr. old dam as 2-7 2x-305d 12900M 3.9 504F, next dam VG-87 TIDY GENT dau. as 8-0 2x 303d 18250M 3.8 699F, lifetime: over 190,000M & over 7000F, still in herd.

A VG-88 4 yr. old UKKEL KING BURKGOV MATT dau. fresh, as 3-9 354d 24179 3.4 828F, dam 4-3 365d 21590M 3.3 702F, next dam VG-86 as 3-11 2x 305d 19700M 4.6 900F, next dam EX-2E as 12-11 305d 19040M 4.0 768F, over 150,000M.

A fresh 2 yr. old JET STREAM dau. with heifer calf by her side, from MARSHFIELD ELEVATION TONY, her dam VG-88 4y as 4-3 365d 21840M 3.3 728F.

A VG-85 3 yr. old ZELDENRUST IDEAL LEADER dau. fresh milking 90 lbs., as 2-1 365d 19180M 3.2 614F, next dam VG as 2-1 311d 17540M 4.0 696F, next dam VG as 6-5 365d 26370M 3.8 994F.

A 2 yr. old PACLAMAR BOOTMAKER dau. bred to BOVA, from 2E-EX-90 dam as 4-6 365d 21690M 592F, next dam VG-85 5-0 365d 23430M 3.7 867F.

A VG-87 BOOTMAKER DAU. bred 4/4/83 to BOVA, as 3-7 357d 19153M 3.4 655F, her dam EX-91-2E as 8-8 305d 22200M 3.9 876F.

A 3 yr. old CA-LILL STANDOUT CAVALIER dau. GP-82 as 2-2 311d 13140M 3.7 480F inc., bred 4/18/83 to THONYMA ELECTRA.

A VG-86 MID-HILL ACRES ELEVATION dau. as 3-4 365d 21660M 3.9 849F, fresh, dam 2-1 305d 20700M 3.3 692F.

A 2 yr. old POVERTY HOLLOW BURKGOV DEMAND dau., bred 5/14/83 to SWD VALIANT, her dam GP-81 as 4-2 320d 18140M 3.8 687F, next dam VG-87 as 10-8 365d 22320M 3.6 806F.

A yr. old ROUND OAK RAG APPLE ELEVATION dau., bred 2/25/83 to VALIANT.

A 2 yr. old BOOTMAKER dau., bred 5/10/83 to THONYMA ELECTRA, dam 3-3 360d 18230M 3.4 621F, next dam 22540 708F.

A 2 yr. old VALIANT dau., bred 2/22/83 to CAL-CLARK BOARD CHAIRMAN, dam also in sale a 5 yr. old bred 2/26/83 to TRIPLE THREAT-RED, as 4-2 340d 21918M 3.4 741F, index 1370M 32F $148, her dam as 6-4 295d 20410M 3.7 749F, next dam KINGPIN VG-89 as 10-10 305d 23440M 4.0 939F.

A 2 yr. old WILLOW dau. bred 2/22/83 to TIKUAH FUTURE-ET, DAM GP-82 as 5-3 365d 21490M 3.0 937F, cow index 1055M 10F, still in herd, had 133 lbs. for tester, next dam over 19130M, next dam 305d 21700M 4.0 865F.

A nice 3 yr. old PERSUADER dau. with heifer calf by SPIRIT.

A 2 yr. old show heifer STRAIGHT PINE ELEVATION PETE dtr. fresh 11/2/83 from a Glendell Arlinda Chief GP-84 as 3-9 2X 348 dys. 25,032M 700F. Next Dam Penstate Ivanhoe Star VG 87 as 5-6 2X 305 days. 23,840M 3.6T 857F, Next Dam GP 81 as 5-3 2X 305 dys. 24,391M 762F.

A CHAPEL DANK APACHE SON born 9/14/81 from an EX dam a Pawnee Farm Arlinda Chief as 4-6 355 dys. 30,886M 4.2T 1312F, next Dam VG GMD 4-4 365 dys. 32,853M 3.5T 1145F, New England Class leader and 1st in VT., next Dam 5-5, 339 dys. 20,960M 4.1T 851F.

A 2 yr. old HANOVER HILL TRIPLE TREAT dtr. due 12/15/83 to a son of Triple Threat, from VG 87 Dam as 4-3 365 dys. 19,213M 4.0T 772F, next Dam 91 EX-2E as 4-8 2X 365 dys. 22,030M 4.8T 1067F, next dam VG 88 as 5-08 2X 305 dys. 16,730M 4.6T 777F, next Dam 2E 92E as 7-9 305 dys. 2X 18,816M 4.2T 795F, next Dam VG 85 by Ivanhoe over 20,000M and 750F.

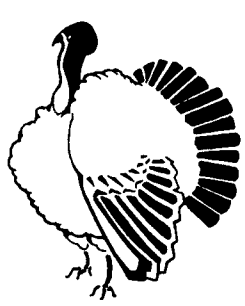
FREE TRANSPORTATION FOR LANC. CO. AMISH - Please call 569-2106 or 569-6800

DOOR PRIZE: PUREBRED HEIFER CALF - Must be a buyer to be eligible & present to win.

SPECIAL FREE CHRISTMAS LUNCH WILL BE SERVED

COME EARLY
ENJOY FREE CHRISTMAS LUNCH
BUY A COW RECEIVE A FREE TURKEY

FREE TURKEY FOR EVERYONE THAT BUYS A COW!!!



FARMERS, please do not miss this special Christmas Sale, Friday, December 2nd at 11:00 a.m. Set aside this date to see our fine selection of cattle. We wish to thank everyone for their friendship and patronage during this past year.

MELVIN KOLB, Sale Manager
ROBERT C. MULLENDORE, Auctioneer
HENRY KETTERING, Pedigrees
MARVIN ESHLEMAN, Clerk

PA FARM: Dennis Kolb, Manager

MD. FARM: Robert Wall, Manager

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

FRI APR. 27 - 6 PM Public Auction of 250-300 Head Heifers, all sizes, Springing, Bred and Open Heifers, some registered. Located at the Belleville Livestock Market.

JUNE

SAT. JUNE 23 - Colonial World Class Sale 2 Located at Adams Charolais Farm, Springfield, OH. Sponsored by Colonial Charolais Association. Managed by Garey Cattle Sales, Inc., 100 Walnut Lane, Morrisville, PA 19067.

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P.M
Horse Auction
2nd Saturday each month
1 P.M
FAUQUIER LIVESTOCK EXCHANGE
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DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle
MARLIN S. IRWIN
Quarryville, PA
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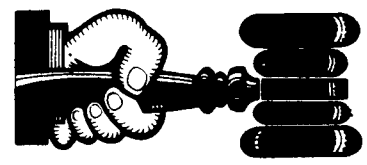

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BIO-4

AVIAN INFLUENZA

BIO-4

By now everyone is aware of this serious disease threat to the Pennsylvania Poultry Industry.

Everyone in this industry needs to work together to help find the solutions to this problem and to minimize the effects.

At this point, most poultry related companies including us have established a policy of not contacting poultrymen at their farms. This will be continued for sometime.

Below are some phone numbers that may be helpful to you.

USDA Permits to move poultry or eggs
1-800-358-3344
569-8592
569-8593

USDA Diagnostic Reporting Center
1-800-358-3344
569-8594
569-8595

Pennsylvania Poultry Federation
569-5351
569-5352

Inquiries concerning safety of poultry and egg products
202-472-4485

If you have any questions concerning symptoms of the disease, quarantine areas, precautions you should be taking or any other concerns, you may also contact any Purina Dealer listed below.

HESS MILLS
PHONE 717-442-4183
717-768-3301
PARADISE, PA 17562

HIGH BROS.
PHONE 717-354-0301
GORDONVILLE, PA 17529

K & K FEED, INC.
PHONE 717-866-2324
23 N PARK ST RICHLAND, PA 17087

UMBERGER'S MILL
PHONE 717-867-5161
FONTANA, PA 17042

KEYSTONE MILLS
John B. Kurtz
PHONE 717-354-4616 717 738 1088
RD3, EPHRATA, PA 17522

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Good Feeding
FOR GOOD PRODUCTION

W. L. MUMMERT CO.
PHONE 717-637-6923
6 PINE ST
HANOVER, PA 17331

SOUTHERN DIVISION
West Willow Farmers Assoc , Inc
PHONE 717-529-2113
RTE 472 AT UNION, PA
RD 1 OXFORD, PA 19363

WEST WILLOW FARMERS ASSN., INC.
PHONE 717-464-3386
WEST WILLOW, PA 17583

J. P. ANIMAL SUPPLY
PHONE 301-658-5795
2497 TOME HWY
RISING SUN, MD 21911

WOODSTOWN ICE & COAL CO.
PHONE 609-769-0069
WOODSTOWN, N.J 08098